Panasonic Broadcast

AJ-HDC27HP
Menu Information

Menu operations

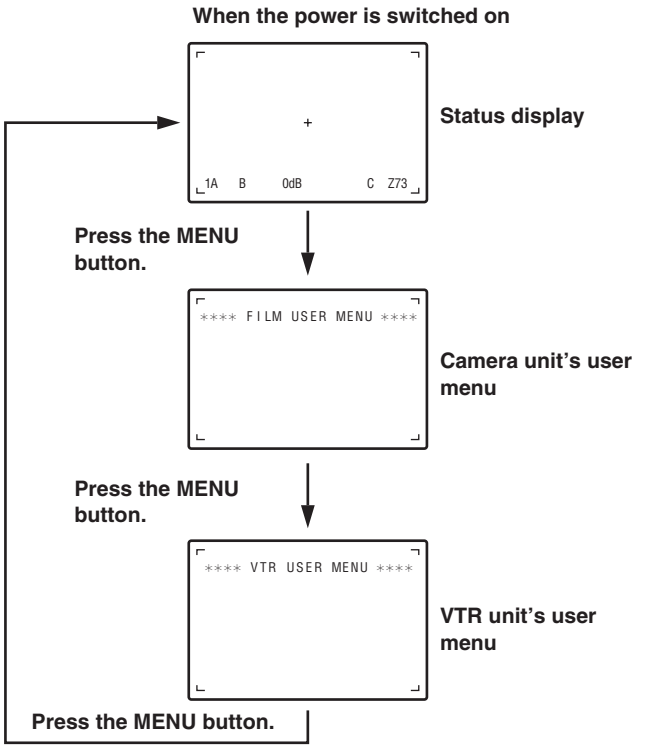
The setting menu operations are performed using the MENU button and JOG dial button. The menu configuration is divided into the camera unit's setting menus and VTR unit's setting menus.
It is possible to select the engineer menu which enables all the setting menu items to be set or, alternatively, the user menu which consists of individually tailored menus so that only those menus which will be used most frequently can be set.

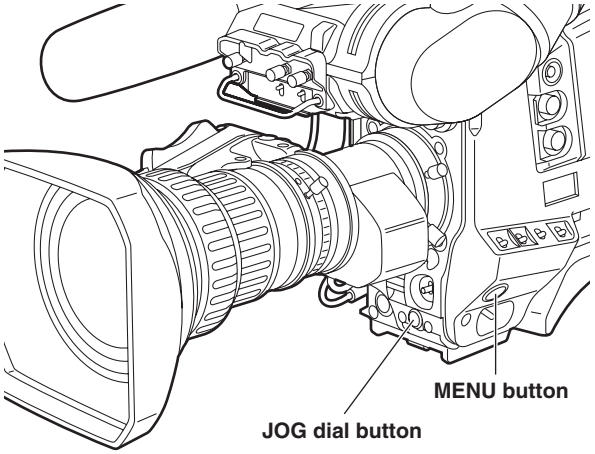
User menu

The user menu was set when the unit was shipped. However, the user can change the configuration of the menus by selecting only those menus which will be used most frequently so that they will be tailored to the user's individual needs.
Set the user menu on the USER MENU SELECT 1, 2, and 3 screen of the engineer menu. The data settings are saved in the non-volatile memory for long-term storage. The menu settings performed in the film mode and video mode are saved separately.

Display method

- When the MENU button is pressed, the camera unit's USER menu screen is displayed.
- When the MENU button is pressed again, the VTR unit's USER menu screen is displayed.
- When the MENU button is pressed once more, the menu screen display is cleared.





Engineer menu

All the setting menu items can be set on this menu.
The data settings are saved in the non-volatile memory for long-term storage.

Display method

- Hold down the MENU button for at least 3 seconds.
- When the MENU button is pressed again, the VTR unit's MAIN MENU screen is displayed.
- When the MENU button is pressed once more, the menu screen display is cleared.

<Note>

The engineer menu is displayed at all times when the AJ-EC3 extension control unit (optional accessory) is connected to the unit for operating the unit by remote control.

Film mode and video mode

The unit can be set to the film mode or video mode on the OPTION screen of FILM (CAM) MAIN MENU 4.
When VIDEO MENU is selected as the CAM MENU SEL setting on the OPTION screen, the FILM USER MENU and FILM MAIN MENU displays change to the CAM USER MENU and CAM MAIN MENU.
The menu settings performed in the film mode and video mode are saved separately.

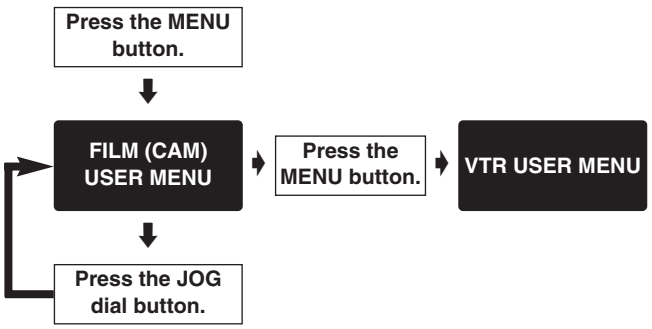
Basic setting menu operations

Displaying menus

User menu:

1 Press the MENU button.
The camera unit's USER menu screen is displayed.

2 When the MENU button is pressed again, the VTR unit's USER menu screen is displayed.

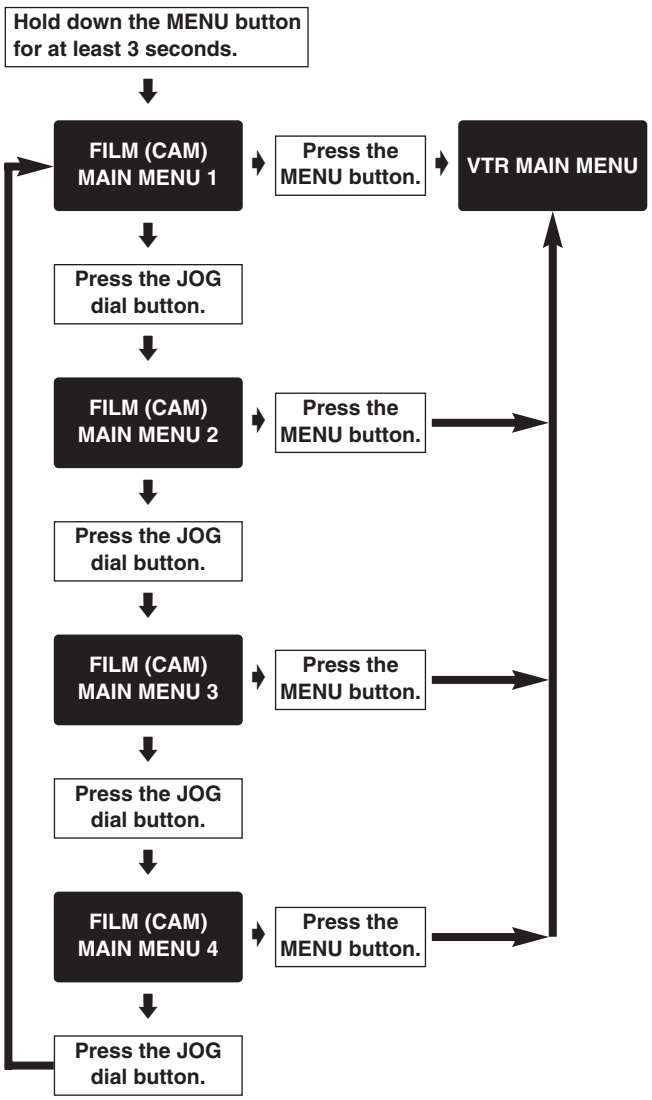


Engineer menu

1 Hold down the MENU button for at least 3 seconds.

2 When the JOG dial button is pressed, the next MAIN menu screen (of the camera unit) is displayed.

3 When the MENU button is pressed, the VTR unit's MAIN MENU screen is displayed.



Displaying sub-menus and deciding on settings

Operations common to the user menu and engineer menu

1 Turn the JOG dial button while the USER menu screen or MAIN menu screen is displayed.
The cursor (➔) moves to the SUB menu item.

Example:

Turn the JOG dial button.

```
➔ **** FILM MAIN MENU1 ****

  ROP
  MATRIX
  COLOR CORRECTION1
  COLOR CORRECTION2
  LOW SETTING
  MID SETTING
  HIGH SETTING
  ADITIONAL DTL1
  ADITIONAL DTL2
  SKIN TONE DTL
  KNEE/LEVEL
  GAMMA
  CAMERA SETTING
```

2 Move the cursor (➔) to the desired SUB menu item, and press the JOG dial button.
The SUB menu is now displayed.
(The cursor appears in the title part of the SUB menu.)

Example:

Press the JOG dial button.

```
  **** FILM MAIN MENU1 ****

➔ ROP
  MATRIX
  COLOR CORRECTION1
  COLOR CORRECTION2
  LOW SETTING
  MID SETTING
  HIGH SETTING
  ADITIONAL DTL1
  ADITIONAL DTL2
  SKIN TONE DTL
  KNEE/LEVEL
  GAMMA
  CAMERA SETTING
```

```
➔< ROP >

  MASTER PED       : +000
  MASTER DTL       : +00
  MASTER GAMMA     : 0.45
  R GAIN           : +000
  G GAIN           : +000
  B GAIN           : +000
  R PEDESTAL       : +000
  G PEDESTAL       : +000
  B PEDESTAL       : +000
```

3 Turn the JOG dial button to move the cursor to the desired item to be set, and press the JOG dial button.
The digit whose value is to be set now flashes.

Example:

Press the JOG dial button.

```
  < ROP >

➔ MASTER PED       : +000
  MASTER DTL       : +00
  MASTER GAMMA     : 0.45
  R GAIN           : +000
  G GAIN           : +000
  B GAIN           : +000
  R PEDESTAL       : +000
  G PEDESTAL       : +000
  B PEDESTAL       : +000
```

4 Turn the JOG dial button to change the setting.

5 When the desired setting is reached, press the JOG dial button.
The setting is now entered.

6 When other items are to be set, turn the JOG dial button to move the cursor, and change and enter the settings by repeating steps *3* to *5*.

7 To move to another SUB menu, turn the JOG dial button to move the cursor to the title part of the SUB menu, and press the JOG dial button.
The USER menu screen or MAIN menu screen is now displayed so proceed with operation by following the same steps.

Example:

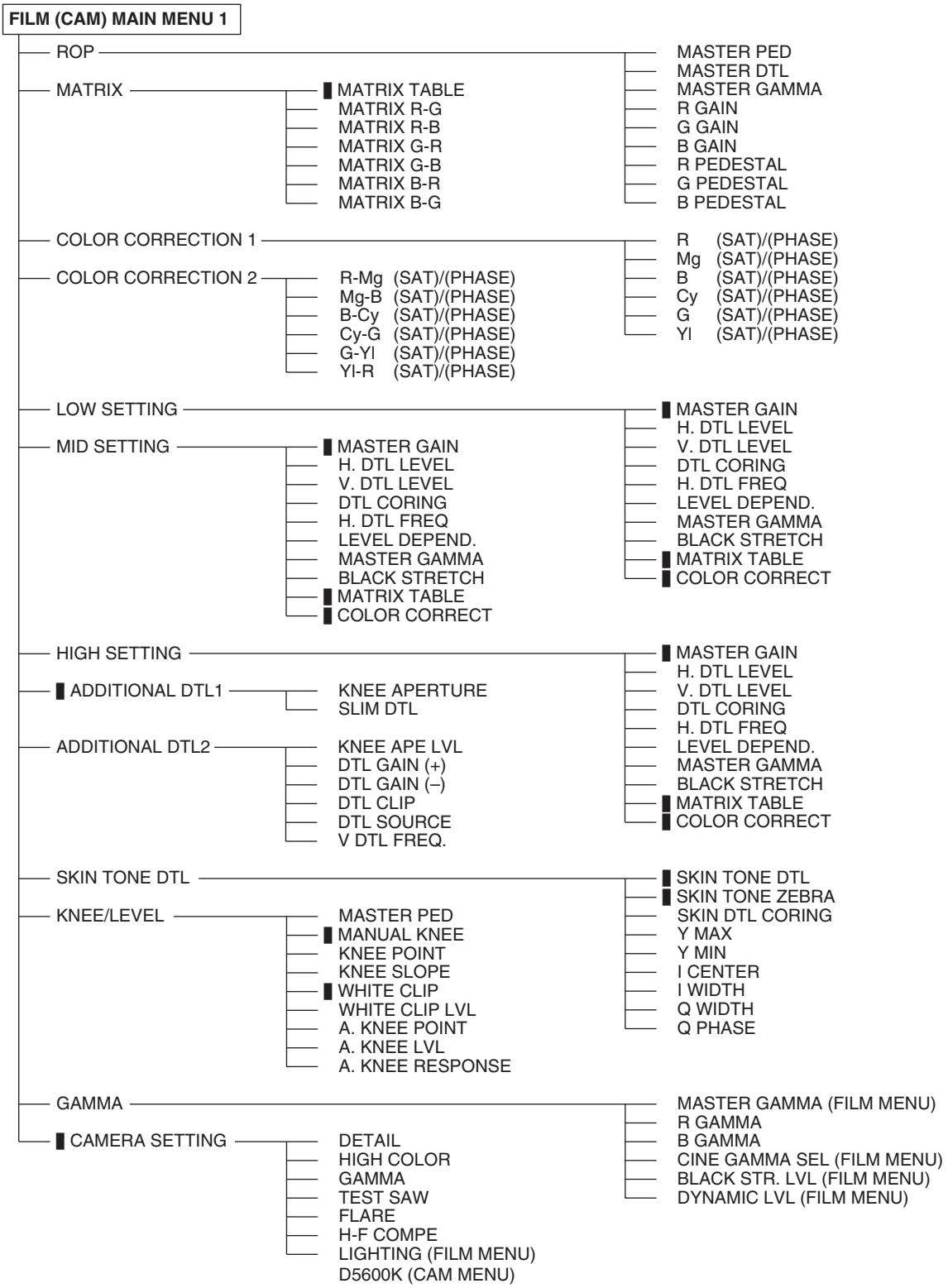
Press the JOG dial button.

```
➔< ROP >

  MASTER PED       : +008
  MASTER DTL       : +00
  MASTER GAMMA     : 0.45
  R GAIN           : +000
  G GAIN           : +000
  B GAIN           : +000
  R PEDESTAL       : +000
  G PEDESTAL       : +000
  B PEDESTAL       : +000
```

8 Upon completion of the settings, press the MENU button. The settings are now recorded, the setting menu mode is exited, and the normal operation mode is restored.
<Note>
To exit the camera unit's menu, press the MENU button twice. When the MENU button is pressed once, operation is transferred to the VTR unit's menu.

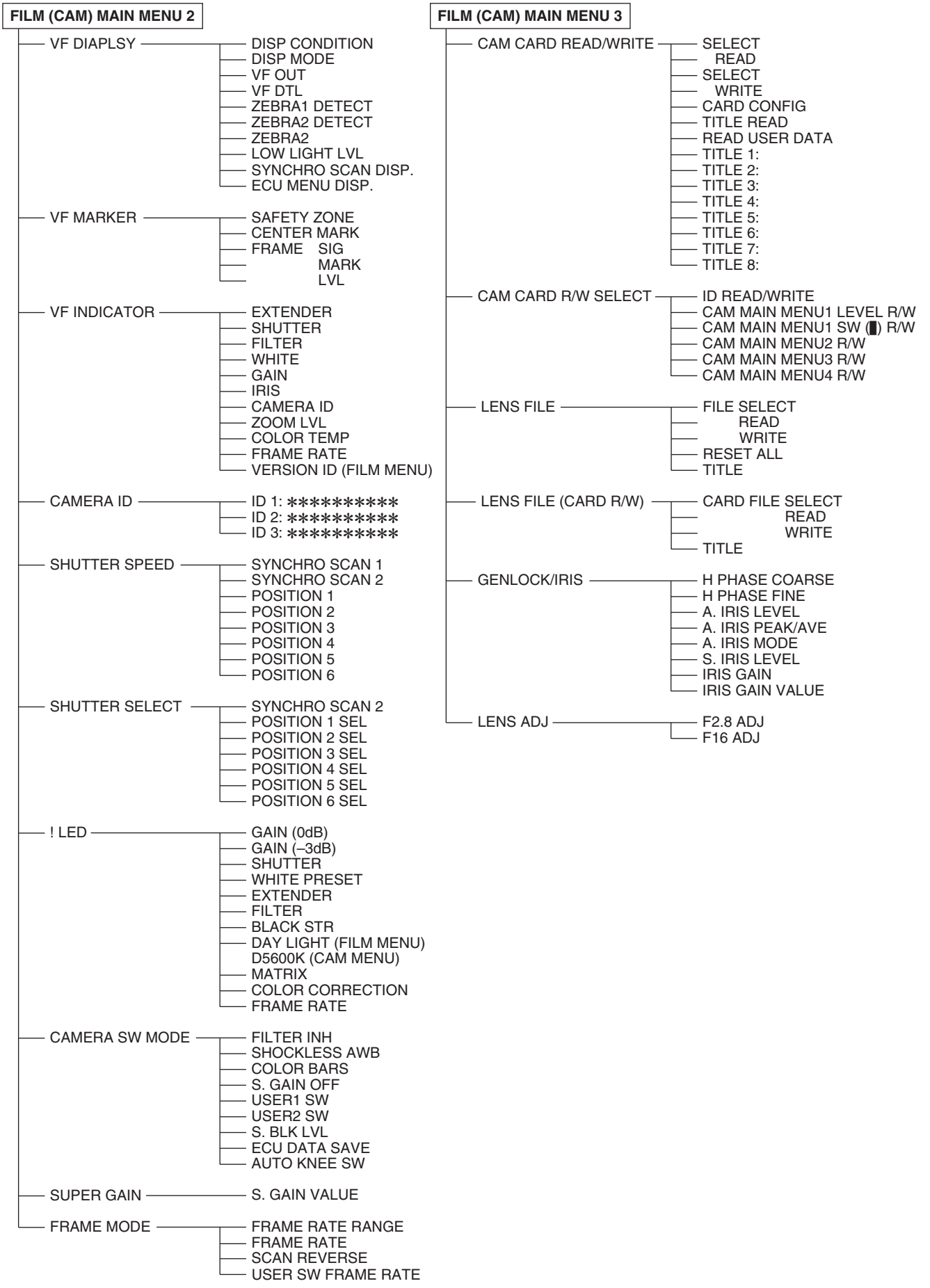
Setting menu configuration



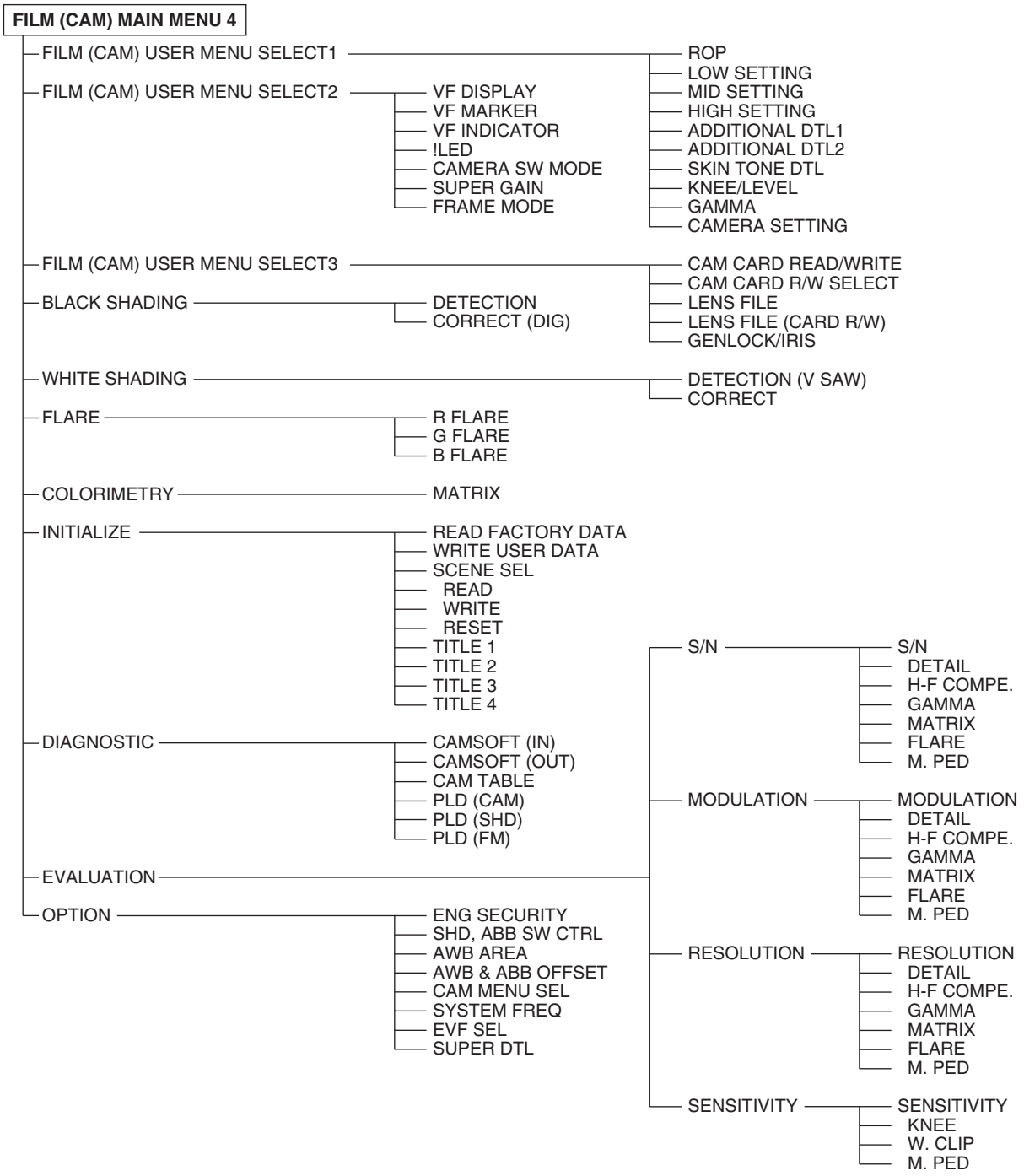
<Note>

Items indicated with ▌ are items whose settings can only be switched ON and OFF.

Setting menu configuration (continued)



Setting menu configuration (continued)



How to interpret the menu lists

The following abbreviations indicate whether the menu changes are stored (written) in the corresponding data or loaded (read) from the data.
The changes cannot be stored or loaded when "/" is indicated.

- **S:** The changes can be stored or loaded as scene file data.
- **C:** The changes can be stored or loaded using CARD READ/WRITE.
- **U:** The changes can be stored or loaded as user data. Refer to "INITIALIZE screen" (page 111).
- **F:** The changes can be stored or loaded as READ FACTORY DATA. Refer to "INITIALIZE screen" (page 111).
- **E:** The changes can be stored or loaded using ECU DATA SAVE. Refer to "Connecting the extension control unit" (page 41).

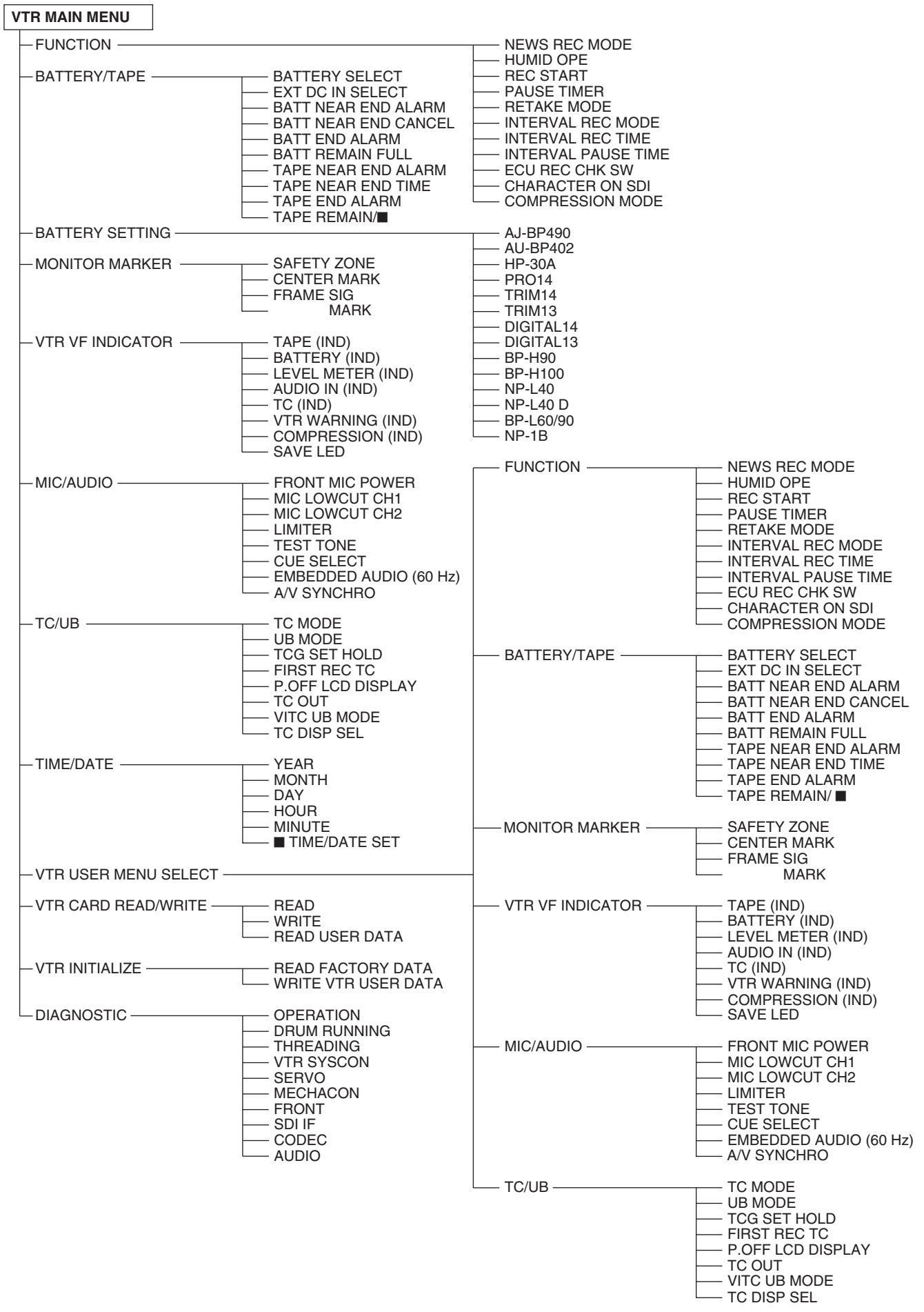
Item	Variable range	VF display	Remarks
MASTER PED (FILM MENU) (CAM MENU) S C U F E	–200 : +000 : +018 : +200 (Max.)	USER ENG	MASTER PEDESTAL level setting.

Described in this column are the operations which can be expected to result when the item's settings are selected.

This column indicates the variable range in which the item can be set and the choice of the settings which can be selected for the item.

USER: This appears on the user menu screen.
ENG: This appears on the engineer menu screen.

Setting menu configuration (continued)



The main menu consists of FILM (CAM) MAIN MENU (1 to 4) of the camera and the VTR MAIN MENU of the VTR.
These screens are index screens which are used to open the sub-menus.
The setting menu is operated with the MENU button and JOG dial button.
(Refer to pages 86 to 88 for the menu operations.)

FILM (CAM) MAIN MENU 1 screen

SUB menu	VF display	Remarks
ROP	USER ENG	Index for opening the ROP screen.
MATRIX	ENG	Index for opening the MATRIX screen.
COLOR CORRECTION1	ENG	Index for opening the COLOR CORRECTION 1 screen.
COLOR CORRECTION2	ENG	Index for opening the COLOR CORRECTION 2 screen.
LOW SETTING	USER ENG	Index for opening the LOW SETTING screen.
MID SETTING	USER ENG	Index for opening the MID SETTING screen.
HIGH SETTING	USER ENG	Index for opening the HIGH SETTING screen.
ADDITIONAL DTL1	USER ENG	Index for opening the ADDITIONAL DTL 1 screen.
ADDITIONAL DTL2	USER ENG	Index for opening the ADDITIONAL DTL 2 screen.
SKIN TONE DTL	USER ENG	Index for opening the SKIN TONE DTL screen.
KNEE/LEVEL	USER ENG	Index for opening the KNEE/LEVEL screen.
GAMMA	USER ENG	Index for opening the GAMMA screen.
CAMERA SETTING	USER ENG	Index for opening the CAMERA SETTING screen.

FILM (CAM) MAIN MENU 2 screen

SUB menu	VF display	Remarks
VF DISPLAY	USER ENG	Index for opening the VF DISPLAY screen.
VF MARKER	USER ENG	Index for opening the VF MARKER screen.
VF INDICATOR	USER ENG	Index for opening the VF INDICATOR screen.
CAMERA ID	ENG	Index for opening the CAMERA ID screen.
SHUTTER SPEED	ENG	Index for opening the SHUTTER SPEED screen.
SHUTTER SELECT	ENG	Index for opening the SHUTTER SELECT screen.

FILM (CAM) MAIN MENU 2 screen

SUB menu	VF display	Remarks
!LED	USER ENG	Index for opening the !LED screen.
CAMERA SW MODE	USER ENG	Index for opening the CAMERA SW MODE screen.
SUPER GAIN	USER ENG	Index for opening the SUPER GAIN screen.
FRAME MODE	USER ENG	Index for opening the FRAME MODE screen.

FILM (CAM) MAIN MENU 3 screen

SUB menu	VF display	Remarks
CAM CARD READ/WRITE	USER ENG	Index for opening the CAM CARD READ/WRITE screen.
CAM CARD R/W SELECT	USER ENG	Index for opening the CARD R/W SELECT screen.
GENLOCK/IRIS	USER ENG	Index for opening the GENLOCK/IRIS screen.
LENS ADJ	ENG	Index for opening the LENS ADJ screen.

FILM (CAM) MAIN MENU 4 screen

SUB menu	VF display	Remarks
CAM USER MENU SELECT1	ENG	Index for opening the FILM (CAM) USER MENU SELECT 1 screen.
CAM USER MENU SELECT2	ENG	Index for opening the FILM (CAM) USER MENU SELECT 2 screen.
CAM USER MENU SELECT3	ENG	Index for opening the FILM (CAM) USER MENU SELECT 3 screen.
BLACK SHADING	ENG	Index for opening the BLACK SHADING screen.
WHITE SHADING	ENG	Index for opening the WHITE SHADING screen.
FLARE	ENG	Index for opening the FLARE screen.
COLORIMETRY	ENG	Index for opening the COLORIMETRY screen.
INITIALIZE	ENG	Index for opening the INITIALIZE screen.
DIAGNOSTIC	ENG	Index for opening the DIAGNOSTIC screen.
EVALUATION	ENG	Index for opening the EVALUATION screen.
OPTION	ENG	Index for opening the OPTION screen.

ROP screen

The ROP (Remote Operation Panel) is set on this screen.

Item	Variable range	VF display	Remarks
MASTER PED (FILM MENU) (CAM MENU) S C U F E	–200 : +000 : +018 : +200 (Max.)	USER ENG	MASTER PEDESTAL level setting.
MASTER DTL S C U F E	–31 : +00 : +31	USER ENG	H. DTL/V. DTL level setting.
MASTER GAMMA S C U F E	0.35 : 0.45 : 0.75	USER ENG	MASTER GAMMA setting. (0.01 step) Three different values can be stored for LOW, MID and HIGH in the memory.
R GAIN S C U F E	–200 : +000 : +200 (Max.)	USER ENG	For setting R channel gain.
G GAIN S C U F	–200 : +000 : +200 (Max.)	USER ENG	For setting G channel gain.
B GAIN S C U F E	–200 : +000 : +200 (Max.)	USER ENG	For setting B channel gain.
R PEDESTAL S C U F E	–100 : +000 : +100 (Max.)	USER ENG	For setting R channel PEDESTAL level.
G PEDESTAL S C U F	–100 : +000 : +100 (Max.)	USER ENG	For setting G channel PEDESTAL level.
B PEDESTAL S C U F E	–100 : +000 : +100 (Max.)	USER ENG	For setting B channel PEDESTAL level.

The underlining in the variable range column indicates the setting in the preset mode.

MATRIX screen

The camera matrix is set on this screen.

Item	Variable range	VF display	Remarks
■ MATRIX TABLE S C U F E	A B	ENG	For selecting the color adjustment display.
MATRIX R-G S C U F E	–31 : +00 : +31	ENG	Color adjustment
MATRIX R-B S C U F E	–31 : +00 : +31	ENG	Color adjustment
MATRIX G-R S C U F E	–31 : +00 : +31	ENG	Color adjustment
MATRIX G-B S C U F E	–31 : +00 : +31	ENG	Color adjustment
MATRIX B-R S C U F E	–31 : +00 : +31	ENG	Color adjustment
MATRIX B-G S C U F E	–31 : +00 : +31	ENG	Color adjustment

<Notes>

- The white balance and black balance will not change even if the MATRIX is changed.
- Two tables, A and B, can be stored in the memory for the MATRIX TABLE item.
- “00” applies for all the preset modes in MATRIX TABLE B.

COLOR CORRECTION 1 screen

The camera color saturation adjustments and hue adjustments are set on this screen.

Item	Variable range	VF display	Remarks
R (SAT) R (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: red
Mg (SAT) Mg (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: magenta
B (SAT) B (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: blue
Cy (SAT) Cy (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: cyan
G (SAT) G (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: green
Yl (SAT) Yl (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: yellow

COLOR CORRECTION 2 screen

The camera color saturation adjustments and hue adjustments are set on this screen.

Item	Variable range	VF display	Remarks
R-Mg (SAT) R-Mg (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: between red and magenta
Mg-B (SAT) Mg-B (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: between magenta and blue
B-Cy (SAT) B-Cy (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: between blue and cyan
Cy-G (SAT) Cy-G (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: between cyan and green
G-Yl (SAT) G-Yl (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: between green and yellow
Yl-R (SAT) Yl-R (PHASE) S C U F E	–63 : <u>+00</u> : +63	ENG	Color saturation adjustment and hue adjustment: between yellow and red

The underlining in the variable range column indicates the setting in the preset mode.

LOW SETTING screen

The low level gain is set on this screen.

Item	Variable range	VF display	Remarks
■ MASTER GAIN (FILM MENU) S C U F E	–3dB : 0dB : 30dB	USER ENG	–3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB, 24 dB or 30 dB can be set.
(CAM MENU) S C U F E	–6dB : 0dB : 30dB		–6dB, –3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB, 24 dB or 30 dB can be set.
H. DTL LEVEL (FILM MENU) (CAM MENU) S C U F E	00 : 08 : 12 : 63	USER ENG	For setting H.DTL (detail) level.
V. DTL LEVEL (FILM MENU) (CAM MENU) S C U F E	00 : 12 : 16 : 31	USER ENG	For setting V.DTL (detail) level.
DTL CORING S C U F E	00 : 02 : 15	USER ENG	For setting detail signal noise removal level.
H. DTL FREQ S C U F E	00 : 22 : 31	USER ENG	For selecting H.DTL FREQUENCY.
LEVEL DEPEND. S C U F E	0 : 2 : 5	USER ENG	For setting LEVEL DEPEND. The detail of only the dark areas is removed when the Y detail is boosted. The higher the figure set for this item, the broader the range of the detail which is removed.
MASTER GAMMA S C U F E	0.35 : 0.45 : 0.75	USER ENG	Master gamma setting. (0.01 step)
BLACK STRETCH S C U F E	+3, +2, +1, OFF, –1, –2, –3	USER ENG	For correcting the black level gradation.
■ MATRIX TABLE S C U F E	A B OFF	USER ENG	For selecting the color correction matrix table.
■ COLOR CORRECT S C U F E	ON OFF	USER ENG	For setting the 12-axis independent color correction to ON or OFF.

MID SETTING screen

The middle level gain is set on this screen.

Item	Variable range	VF display	Remarks
■ MASTER GAIN (FILM MENU) S C U F	–3dB : 3dB : 30dB	USER ENG	–3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB, 24 dB or 30 dB can be set.
(CAM MENU) S C U F	–6dB : 6dB : 30dB		–6dB, –3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB, 24 dB or 30 dB can be set.
H. DTL LEVEL (FILM MENU) (CAM MENU) S C U F	00 : 08 : 12 : 63	USER ENG	For setting H.DTL (detail) level.
V. DTL LEVEL (FILM MENU) (CAM MENU) S C U F	00 : 12 : 16 : 31	USER ENG	For setting V.DTL (detail) level.
DTL CORING S C U F	00 : 02 : 15	USER ENG	For setting detail signal noise removal level.
H. DTL FREQ S C U F	00 : 22 : 31	USER ENG	For selecting H.DTL FREQUENCY.
LEVEL DEPEND. S C U F	0 : 2 : 5	USER ENG	For setting LEVEL DEPEND. The detail of only the dark areas is removed when the Y detail is boosted. The higher the figure set for this item, the broader the range of the detail which is removed.
MASTER GAMMA S C U F	0.35 : 0.45 : 0.75	USER ENG	Master gamma setting. (0.01 step)
BLACK STRETCH S C U F	+3, +2, +1, OFF, –1, –2, –3	USER ENG	For correcting the black level gradation.
■ MATRIX TABLE S C U F	A B OFF	USER ENG	For selecting the color correction matrix table.
■ COLOR CORRECT S C U F	ON OFF	USER ENG	For setting the 12-axis independent color correction to ON or OFF.

The underlining in the variable range column indicates the setting in the preset mode.

HIGH SETTING screen

The high level gain is set on this screen.

Item	Variable range	VF display	Remarks
■ MASTER GAIN (FILM MENU) S C U F	–3dB : 6dB : 30dB	USER ENG	–3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB, 24 dB or 30 dB can be set.
(CAM MENU) S C U F	–6dB : 12dB : 30dB		–6dB, –3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB, 24 dB or 30 dB can be set.
H. DTL LEVEL (FILM MENU) (CAM MENU) S C U F	00 : 08 : 12 : 63	USER ENG	For setting H.DTL (detail) level.
V. DTL LEVEL (FILM MENU) (CAM MENU) S C U F	00 : 12 : 16 : 31	USER ENG	For setting V.DTL (detail) level.
DTL CORING S C U F	00 : 05 : 15	USER ENG	For setting detail signal noise removal level.
H. DTL FREQ S C U F	00 : 22 : 31	USER ENG	For selecting H.DTL FREQUENCY.
LEVEL DEPEND. S C U F	0 : 5	USER ENG	For setting LEVEL DEPEND. The detail of only the dark areas is removed when the Y detail is boosted. The higher the figure set for this item, the broader the range of the detail which is removed.
MASTER GAMMA S C U F	0.35 : 0.45 : 0.75	USER ENG	Master gamma setting. (0.01 step)
BLACK STRETCH S C U F	+3, +2, +1, OFF, –1, –2, –3	USER ENG	For correcting the black level gradation.
■ MATRIX TABLE S C U F	A B OFF	USER ENG	For selecting the color correction matrix table.
■ COLOR CORRECT S C U F	ON OFF	USER ENG	For setting the 12-axis independent color correction to ON or OFF.

The underlining in the variable range column indicates the setting in the preset mode.

■ ADDITIONAL DTL 1 screen

The special detail features of the camera are set on this screen.

Item	Variable range	VF display	Remarks
KNEE APERTURE S C U F E	ON OFF	USER ENG	For setting the knee aperture to ON or OFF. At the “ON” setting, the detail above the knee point is boosted.
SLIM DTL S C U F E	ON OFF	USER ENG	For setting the mode to make the detail finer to ON or OFF.

ADDITIONAL DTL2 screen

The special detail features of the camera are set on this screen.

Item	Variable range	VF display	Remarks
KNEE APE LVL S C U F E	0 : 5	USER ENG	For changing the detail level in the high-brightness areas.
DTL GAIN (+) S C U F E	–31 : +00 : +31	USER ENG	For changing the H detail level in the “+” direction.
DTL GAIN (–) S C U F E	–31 : +00 : +31	USER ENG	For changing the H detail level in the “–” (bottom) direction.
DTL CLIP S C U F E	00 : 47 : 63	USER ENG	For changing the clipping level of the detail signal.
DTL SOURCE S C U F E	(G+B)/2 (R+G)/2 (2G+R+B)/4 (3G+R)/4 R G	USER ENG	For setting the ratio between the RGB signal components which generate the detail signal.
V DTL FREQ. S C U F E	360TV 450TV 540TV 630TV 720TV	USER ENG	For setting the V. DTL FREQUENCY.

SKIN TONE DTL screen

The skin tone detail of the camera is set on this screen.

Item	Variable range	VF display	Remarks
■ SKIN TONE DTL S C U F E	ON OFF	USER ENG	For setting the skin tone detail to ON or OFF.
■ SKIN TONE ZEBRA S C U F E	ON OFF	USER ENG	For setting zebra in the skin tone range to ON or OFF. At the "ON" setting, the amount of detail in the zebra viewing range is varied.
SKIN DTL CORING S C U F E	0 : 5 : 7	USER ENG	For setting detail signal noise removal level.
Y MAX S C U F E	000 : 190 : 255	ENG	For setting the maximum luminance level at which the detail is boosted.
Y MIN S C U F E	000 : 010 : 255	ENG	For setting the minimum luminance level at which the detail is boosted.
I CENTER S C U F E	000 : 055 : 255	ENG	For setting the medium I-axis level at which the detail is boosted.
I WIDTH S C U F E	000 : 090 : 255	ENG	For setting the minimum I-axis level at which the detail is boosted.
Q WIDTH S C U F E	000 : 010 : 255	ENG	For setting the maximum Q-axis level at which the detail is boosted.
Q PHASE S C U F E	–31 : +00 : +31	ENG	For setting the minimum Q-axis level at which the detail is boosted.

KNEE/LEVEL screen

The knee settings of the camera are performed on this screen.

Item	Variable range	VF display	Remarks
MASTER PED (FILM MENU) (CAM MENU) S C U F E	–200 : +000 : +018 : +200	USER ENG	For setting the master pedestal level (MASTER PED).
■ MANUAL KNEE S C U F E	ON OFF	USER ENG	For setting the mode when the AUTO KNEE switch is at OFF.
KNEE POINT (FILM MENU) S C U F E (CAM MENU) S C U F E	30% : 65% : 90% 80.00% : 95.00% : 107.00%	USER ENG	For setting the manual knee point position. **<Note>** This setting is canceled when FILM REC has been selected as the CINE GAMMA SEL item setting on the GAMMA screen.
KNEE SLOPE (FILM MENU) S C U F E (CAM MENU) S C U F E	150% : 500% : 600% 00 : 50 : 99	USER ENG	For setting the manual knee slope. **<Note>** This setting is canceled when FILM REC has been selected as the CINE GAMMA SEL item setting on the GAMMA screen.
■ WHITE CLIP S C U F E	ON OFF	USER ENG	For setting white clipping to ON or OFF.
WHITE CLIP LVL S C U F E	090% : 109%	USER ENG	For setting the white clipping level.
A. KNEE POINT (CAM MENU) (FILM MENU) S C U F E	80.00% : 95.00% : 100.00% : 107.00%	USER ENG	For setting the auto knee point position.
A. KNEE LVL S C U F E	100 : 108 109	USER ENG	For setting the maximum auto knee level.
A. KNEE RESPONSE S C U F E	1 2 3 4	USER ENG	For setting the AUTO KNEE response rate.

<Note>
The gamma characteristics are set using the KNEE POINT and KNEE SLOPE items when VIDEO REC was selected as the CINE GAMMA SEL item setting on the GAMMA screen.

The underlining in the variable range column indicates the setting in the preset mode.

GAMMA screen

The gamma settings of the camera are performed on this screen.

Item	Variable range	VF display	Remarks
MASTER GAMMA (FILM MENU) S C U F E	0.35 : 0.45 : 0.75	USER ENG	For setting the master gamma when the unit is to be operated in the film mode.
R GAMMA (CAM MENU) S C U F E	–15 : +00 : +15	USER ENG	Amount by which the R channel gamma is corrected in respect of the master gamma level.
B GAMMA (CAM MENU) S C U F E	–15 : +00 : +15	USER ENG	Amount by which the B channel gamma is corrected in respect of the master gamma level.
CINE GAMMA SEL (FILM MENU) S C U F E	FILM REC VIDEO REC	USER ENG	For setting the gamma characteristics when the unit is to be operated in the film mode. **FILM REC:** The cine gamma characteristics for films are used. **VIDEO REC:** The cine gamma characteristics for video are used.
BLACK STR. LVL (FILM MENU) S C U F E	00% : 30%	USER ENG	For setting the black strech level point position. **<Notes>** ● This setting is valid when FILM REC has been selected as the CINE GAMMA SEL item setting. ● The KNEE POINT and KNEE SLOPE item settings on the KNEE/LEVEL screen are canceled.
DYNAMIC LVL (FILM MENU) S C U F E	200% 300% 400% 500%	USER ENG	For setting the dynamic range. **<Notes>** ● This setting is valid when FILM REC has been selected as the CINE GAMMA SEL item setting. ● The KNEE POINT and KNEE SLOPE item settings on the KNEE/LEVEL screen are canceled.

<Note>
The gamma characteristics are set using the BLACK STR. LVL and DYNAMIC LVL items when FILM REC has been selected as the CINE GAMMA SEL item setting.

■ CAMERA SETTING screen

The basic settings of the camera are set to ON or OFF on this screen.

Item	Variable range	VF display	Remarks
DETAIL S C U F E	ON OFF	USER ENG	For setting the detail (H, V) to ON or OFF. (Both the H detail and V detail are simultaneously set to either ON or OFF.)
HIGH COLOR S C U F E	ON OFF	USER ENG	For setting the mode for expanding the dynamic range of the colors to ON or OFF. At the ON setting, the colors above the knee point are boosted.
GAMMA S C U F E	ON OFF	USER ENG	For setting the gamma correction to ON or OFF.
TEST SAW S C U F E	ON OFF	USER ENG	For setting the test signal to ON or OFF.
FLARE S C U F E	ON OFF	USER ENG	For setting the flare compensation to ON or OFF.
H-F COMPE S C U F E	ON OFF	USER ENG	For setting the high-range frequency compensation mode to ON or OFF.
LIGHTING (FILM MENU) S C U F E	TUNGSTEN DAY LIGHT	USER ENG	For switching the white balance preset value to the tungsten lighting type or daylight type.
D5600 K (CAM MENU) S C U F E	ON OFF	USER ENG	For setting the 5600 K presetting for the white balance to ON or OFF. **<Note>** The black balance must always be adjusted (see page 56) when this item's setting has been changed.

The underlining in the variable range column indicates the setting in the preset mode.

VF DISPLAY screen

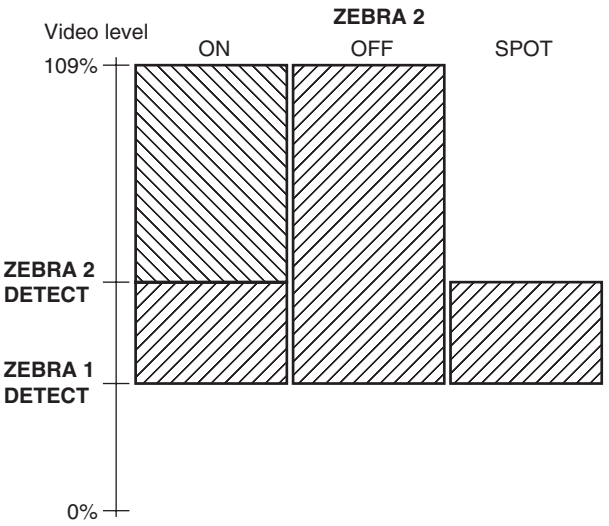
The information to be displayed inside the viewfinder is set on this screen.

Item	Variable range	VF display	Remarks
DISP CONDITION S C U F E	NORMAL HOLD	USER ENG	**NORMAL:** The statuses are displayed at all times. **HOLD:** The statuses are displayed when MODE CHECK SW is ON.
DISP MODE S C U F E	1 2 3	USER ENG	See table below.
VF OUT S C U F E	Y NAM R G B	USER ENG	For selecting VF OUT. NAM (N Additive Mix): The signal with the highest level among the R, G and B signals is output.
VF DTL S C U F E	0 : 4 5	USER ENG	For selecting VF DTL. The detail of the signals for VF is further boosted. At the "0" setting, the detail is the same as the unit's.
ZEBRA1 DETECT (CAM MENU) (FILM MENU) S C U F E	000% : 070% : 080% : 109%	USER ENG	For setting the ZEBRA1 detection level (IRE level).
ZEBRA2 DETECT S C U F E	000% : 085% : 109%	USER ENG	For setting the ZEBRA2 detection level (IRE level).
ZEBRA2 S C U F E	ON OFF SPOT	USER ENG	For setting ZEBRA2 to ON or OFF and selecting SPOT. See "Zebra pattern display." **<Note>** When used at the "SPOT" setting, ensure that the ZEBRA2 DETECT value is set higher than the ZEBRA1 DETECT value. If the ZEBRA2 DETECT value is lower than the ZEBRA1 DETECT value, the ZEBRA display will not appear.

Change	Display 1	2	3
FILTER	×	×	○
GAIN	×	×	○
AWB	×	×	○
AUTO KNEE SW	×	○	○
SHUTTER	×	○	○
ABB STATUS	×	○	○
AWB STATUS	×	○	○

Item	Variable range	VF display	Remarks
LOW LIGHT LVL (FILM MENU) (CAM MENU) S C U F E	OFF 20% 25% : 40% 45%	USER ENG	For selecting the light level for the LOW LIGHT display when the amount of light entering the camera is too low.
SYNCHRO SCAN DISP. (CAM MENU) (FILM MENU) S C U F E	sec % deg	USER ENG	For setting the unit in which the synchro scan mode is to be displayed.
ECU MENU DISP. S C U F E	ON OFF	USER ENG	For setting whether the menu screen is to be displayed when menu operations are performed using the AJ-EC3 Extension Control Unit.

Zebra pattern display



The underlining in the variable range column indicates the setting in the preset mode.

VF MARKER screen

The information to be displayed inside the viewfinder is set on this screen.

Item	Variable range	VF display	Remarks
SAFETY ZONE S C U F E	OFF 1 : <u>3</u> : 12	USER ENG	For selecting the safety zone display. **1 :** 80% and 90% corner display **2 :** 80% corner display **3 :** 90% corner display **4 :** 80% and 90% box display **5 :** 80% box display **6 :** 90% box display **7 :** 80% and 90% corner display in 4:3 mode **8 :** 80% corner display in 4:3 mode **9 :** 90% corner display in 4:3 mode **10 :** 80% and 90% box display in 4:3 mode **11 :** 80% box display in 4:3 mode **12 :** 90% box display in 4:3 mode
CENTER MARK S C U F E	<u>ON</u> OFF	USER ENG	For setting the center marker display to ON or OFF.
FRAME SIG S C U F E	<u>4 : 3</u> 13 : 9 14 : 9 VISTA CNSCO	USER ENG	For selecting the frame marker display. (VISTA = 1 : 1.85) (CNSCO = 1 : 2.35)
MARK S C U F E	ON <u>OFF</u>	USER ENG	For setting the frame marker display to ON or OFF.
LVL S C U F E	00 : <u>15</u>	USER ENG	For setting the picture levels on the outside of the frame marker.

VF INDICATOR screen

The information to be displayed inside the viewfinder is set on this screen.

Item	Variable range	VF display	Remarks
EXTENDER S C U F E	<u>ON</u> OFF	USER ENG	For setting the extender display to ON or OFF.
SHUTTER S C U F E	<u>ON</u> OFF	USER ENG	For setting the shutter speed display to ON or OFF.
FILTER S C U F E	<u>ON</u> OFF	USER ENG	For setting the filter No. display to ON or OFF.
WHITE S C U F E	<u>ON</u> OFF	USER ENG	For setting the AWB PRE/A/B display to ON or OFF.
GAIN S C U F E	<u>ON</u> OFF	USER ENG	For setting the currently selected gain display to ON or OFF.
IRIS S C U F E	S IRIS <u>S+IRIS</u> OFF	USER ENG	**S:** Only the super iris ON status is displayed. **IRIS:** Only the aperture value is displayed. **S+IRIS:** Both the super iris ON status and the aperture value are displayed. **OFF:** Neither the super iris ON status nor the aperture value is displayed.
CAMERA ID S C U F E	<u>ON</u> OFF	USER ENG	For setting the ID display during color bar displaying.
ZOOM LVL S C U F E	<u>ON</u> OFF	USER ENG	For setting the zoom position value display to ON or OFF.
COLOR TEMP S C U F E	<u>ON</u> OFF	USER ENG	For setting the color temperature display to ON or OFF.
FRAME RATE S C U F E	<u>ON</u> OFF	USER ENG	For setting the frame rate display to ON or OFF.
VERSION ID (FILM MENU) S C U F E	<u>ON</u> OFF	USER ENG	For displaying the gamma curve used when the internal color bar signal recording mode is established.

The underlining in the variable range column indicates the setting in the preset mode.

CAMERA ID screen

The camera ID is set on this screen.

Item	Variable range	VF display	Remarks
ID 1: ********** ID 2: ********** ID 3: ********** / C U F E	——	ENG	For inputting the camera ID (max. 10 characters). **<Note>** Select whether this setting is to be mixed by selecting ON or OFF for CAMERA ID on the VF DISPLAY screen.

1. Turn the JOG dial button to move the arrow (cursor) to the ID 1:, ID 2: or ID 3: item.

2. When the JOG dial button is pressed, the arrow (cursor) moves to the ID input area, and the input mode is established.

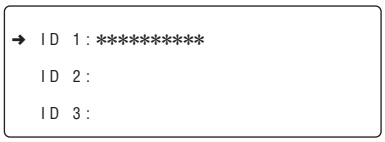
3. Press the JOG dial button again and turn it until the character to be set is displayed.
   When the button is turned, the character displayed is switched in the following sequence:
   Space: □
   ↓
   letters: A—Z
   ↓
   numbers: 0—9
   ↓
   symbols: ', >, <, /, –

4. Press the JOG dial button to enter the character.

5. Turn the JOG dial button to move the arrow (cursor) to the next position (right), and repeat steps 3 and 4 to input the characters (maximum of 10).

6. When the characters have been input, turn the JOG dial button to move the arrow (cursor) to the ":" position.

7. When the JOG dial button is pressed, the arrow (cursor) returns to the ID 1:, ID 2: or ID 3: item.



<Note>
The contents are cleared when the READ FACTORY DATA is executed. The data will be stored in the memory even when OFF has been selected for ECU DATA SAVE.

SHUTTER SPEED screen

On this screen, the shutter speed to be used is selected from among the POSITION items each of which contains a shutter speed which was set on the SHUTTER SELECT screen.

Item	Variable range	VF display	Remarks
SYNCHRO SCAN 1 S C U F E	ON OFF	ENG	For selecting SYNCHRO SCAN 1.
SYNCHRO SCAN 2 S C U F E	ON OFF	ENG	For selecting SYNCHRO SCAN 2.
POSITION 1 S C U F E	ON OFF	ENG	For selecting POSITION 1.
POSITION 2 S C U F E	ON OFF	ENG	For selecting POSITION 2.
POSITION 3 S C U F E	ON OFF	ENG	For selecting POSITION 3.
POSITION 4 S C U F E	ON OFF	ENG	For selecting POSITION 4.
POSITION 5 S C U F E	ON OFF	ENG	For selecting POSITION 5.
POSITION 6 S C U F E	ON OFF	ENG	For selecting POSITION 6.

The underlining in the variable range column indicates the setting in the preset mode.

SHUTTER SELECT screen

A shutter speed is set in each POSITION item on this screen.

Item	Variable range	VF display	Remarks
SYNCHRO SCAN 2 S C U F E	90.0 deg : 180.0 deg : 225.0 deg	ENG	For selecting the shutter speed which is to be set in SYNCHRO SCAN 2.
POSITION 1 SEL (FILM MENU) (CAM MENU) S C U F E	180.0 deg 172.8 deg 144.0 deg 120.0 deg 90.0 deg 45.0 deg 1/100 1/120 1/250 1/500 1/1000 1/2000	ENG	For selecting the shutter speed which is to be set in POSITION 1.
POSITION 2 SEL (FILM MENU) (CAM MENU) S C U F E	180.0 deg 172.8 deg 144.0 deg 120.0 deg 90.0 deg 45.0 deg 1/100 1/120 1/250 1/500 1/1000 1/2000	ENG	For selecting the shutter speed which is to be set in POSITION 2.
POSITION 3 SEL (FILM MENU) (CAM MENU) S C U F E	180.0 deg 172.8 deg 144.0 deg 120.0 deg 90.0 deg 45.0 deg 1/100 1/120 1/250 1/500 1/1000 1/2000	ENG	For selecting the shutter speed which is to be set in POSITION 3.
POSITION 4 SEL (FILM MENU) (CAM MENU) S C U F E	180.0 deg 172.8 deg 144.0 deg 120.0 deg 90.0 deg 45.0 deg 1/100 1/120 1/250 1/500 1/1000 1/2000	ENG	For selecting the shutter speed which is to be set in POSITION 4.
POSITION 5 SEL (FILM MENU) (CAM MENU) S C U F E	180.0 deg 172.8 deg 144.0 deg 120.0 deg 90.0 deg 45.0 deg 1/100 1/120 1/250 1/500 1/1000 1/2000	ENG	For selecting the shutter speed which is to be set in POSITION 5.
POSITION 6 SEL (FILM MENU) (CAM MENU) S C U F E	180.0 deg 172.8 deg 144.0 deg 120.0 deg 90.0 deg 45.0 deg 1/100 1/120 1/250 1/500 1/1000 1/2000	ENG	For selecting the shutter speed which is to be set in POSITION 6.

The underlining in the variable range column indicates the setting in the preset mode.

! LED screen

The display of the ⊘ lamp which appears inside the viewfinder is set to ON or OFF on this screen.

Item	Variable range	VF display	Remarks
GAIN (0 dB) S C U F E	<u>ON</u> OFF	USER ENG	For setting whether the ⊘ lamp is to be turned on when the gain level is other than 0 dB.
GAIN (–3 dB) S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when the gain level is other than –3 dB.
SHUTTER S C U F E	<u>ON</u> OFF	USER ENG	For setting whether the ⊘ lamp is to be turned on when the shutter is ON.
WHITE PRESET S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when PRESET is selected as the AWB channel setting.
EXTENDER S C U F E	<u>ON</u> OFF	USER ENG	For setting whether the ⊘ lamp is to be turned on when the lens has been set to the EXTENDER mode.
FILTER S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when a filter other than 3200 K is used.
BLACK STR S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when black stretch has been set to ON.
DAY LIGHT (FILM MENU) S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when the white balance preset value is the daylight type.
D5600 K (CAM MENU) S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when the preset white balance level is 5600 K.
MATRIX S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when matrix has been set to ON.
COLOR CORRECTION S C U F E	ON <u>OFF</u>	USER ENG	For setting whether the ⊘ lamp is to be turned on when color correction has been set to ON.
FRAME RATE S C U F E	<u>ON</u> OFF	USER ENG	For setting whether the ⊘ lamp is to be turned on when the frame rate less than 11 fps is used.

<Note>
When ON has been selected for both GAIN (0 dB) and GAIN (–3 dB), the ⊘ lamp will light at all gain levels except for –3 dB and 0 dB.

CAMERA SW MODE screen

The modes of the camera switches are set on this screen.

Item	Variable range	VF display	Remarks
FILTER INH S C U F E	<u>ON</u> OFF	USER ENG	For selecting whether or not the data in the AWB memories (channel A, channel B) is to be held for each filter. **ON:** Only the channel A and channel B memories (2 memories) regardless of the filter. **OFF:** The data is held for each of the filters (4×2 = 8 memories).
SHOCKLESS AWB S C U F E	<u>OFF</u> NORMAL SLOW FAST	USER ENG	For selecting the SHOCKLESS AWB setting. "SHOCKLESS AWB" means that the switching of the WHITE BAL switch to A, B or PRST is not accompanied by a shock. FAST (high-speed: approx. 0.5 sec.), NORMAL (normal speed: approx. 1 sec.) or SLOW (slow: approx. 3 sec.) can be set for this effect.
COLOR BARS S C U F E	SMPTE <u>FULL BARS</u>	USER ENG	For selecting the color bar signals. **SMPTE:** SMPTE color bars **FULL BARS:** Full color bars
S. GAIN OFF S C U F E	S.GAIN <u>L/M/H</u>	USER ENG	For selecting the method for releasing the super gain mode. **S.GAIN:** The mode is released by the super gain switch only. **L/M/H:** The mode is released by changing the L/M/H switch setting.

The underlining in the variable range column indicates the setting in the preset mode.

CAMERA SW MODE screen

Item	Variable range	VF display	Remarks
USER1 SW (FILM MENU) (CAM MENU) S C U F E	<u>INH</u> <u>S.GAIN</u> S.IRIS S.BLK B.STR AUDIO CH1 AUDIO CH2 REC SW Y GET RET SW F.RATE	USER ENG	For allocating the functions in USER1 button. **<Notes>** ● When B.STR has been selected as this item's setting, the function for setting the black level gradation compensation to +3 is allocated. ● When Y GET has been selected as this item's setting, the function for measuring the output luminance level is allocated. The output luminance level of the area near the center marker in the viewfinder is displayed in percentage units in the middle of the viewfinder screen for approximately 3 seconds.
USER2 SW (CAM MENU) (FILM MENU) S C U F E	<u>INH</u> S.GAIN S.IRIS S.BLK B.STR AUDIO CH1 AUDIO CH2 REC SW <u>Y GET</u> RET SW F.RATE	USER ENG	For allocating the functions in USER2 button. **<Notes>** ● When B.STR has been selected as this item's setting, the function for setting the black level gradation compensation to +3 is allocated. ● When Y GET has been selected as this item's setting, the function for measuring the output luminance level is allocated. The output luminance level of the area near the center marker in the viewfinder is displayed in percentage units in the middle of the viewfinder screen for approximately 3 seconds.

<Note>
When the same function has been allocated to both the USER1 button and the USER2 button, please use the USER2 button.

Item	Variable range	VF display	Remarks
S. BLK LVL S C U F E	<u>OFF</u> –10 –20 –30	USER ENG	For setting the super black level.
ECU DATA SAVE S C U F E	ON <u>OFF</u>	USER ENG	**ON :** The data controlled by the AJ-EC3 extension control unit is stored in the memory. **OFF :** The data is not stored in the memory.
AUTO KNEE SW (FILM MENU) S C U F E (CAM MENU) S C U F E	ON <u>OFF</u> <u>ON</u> OFF	USER ENG	For setting whether the AUTO KNEE function is to be made operational when the OUTPUT/AUTO KNEE switch on the side panel has been set to the CAM AUTO KNEE ON position. **ON :** The AUTO KNEE function is made operational. **OFF :** The AUTO KNEE function is not made operational.

The underlining in the variable range column indicates the setting in the preset mode.

SUPER GAIN screen

The gain allocated to the SUPER GAIN switch is set on this screen.

Item	Variable range	VF display	Remarks
S. GAIN VALUE S C U F E	18dB 24dB 30dB 36dB	USER ENG	For selecting the gain when the SUPER GAIN switch is pressed.

FRAME MODE screen

The frame rate is set on this screen.

Item	Variable range	VF display	Remarks
FRAME RATE RANGE S C U F E	60-12 60-4	USER ENG	For selecting the variable range of the frame rate. **60-12:** 60 fps to 12 fps **60-4:** 60 fps to 4 fps
FRAME RATE (CAM MENU) (FILM MENU) S C U F E	60 : 24 : 4	USER ENG	For setting the frame rate. **<Note>** When “60-12” has been selected as the FRAME RATE RANGE setting, the frame rate cannot be set to 11 fps or below.
SCAN REVERSE S C U F E	ON OFF	USER ENG	This function is for correcting the images when the prime lens is used. **ON :** The images are corrected (by reversing their top and bottom and their left and right). **OFF:** The images are not corrected.
USER SW FRAME RATE S C U F E	60 : 24 : 12	USER ENG	For setting the frame rate to be allocated to the USER1 or USER2 button.

Using the USER1 or USER2 button to switch the frame rate

- Once the desired frame rate has been set in a USER (USER1 or USER2) button by performing menu operations, subjects can be shot at the set frame rate simply by pressing the USER button. The original frame rate is restored when the USER button is pressed again.
- While recording is in progress, the frame rate will not be switched even when the USER button is pressed.
- When the frame rate has been switched using the USER button, the switched rate will not take effect even if one of the synchro scan switches (“+” or “– ”) is pressed after the JOG dial button is pressed.

The underlining in the variable range column indicates the setting in the preset mode.

CAM CARD READ/WRITE screen

The settings for saving (writing) the menu data on the SD memory card, loading (reading) the data from the card, and configuring the card are performed on this screen.

Item	Variable range	VF display	Remarks
SELECT F E	1 : 8	USER ENG	For selecting the number of the file to be loaded.
READ	———	USER ENG	For loading the data from the SD memory card.
SELECT F E	1 : 8	USER ENG	For selecting the number of the file to be saved.
WRITE	———	USER ENG	For saving the camera's data on the SD memory card.
CARD CONFIG	———	USER ENG	For formatting the SD memory card.
TITLE READ	———	USER ENG	For reading the titles given to the data saved on the SD memory card.
READ USER DATA	———	USER ENG	For loading the user area data of the camera's memory.
TITLE 1: to TITLE 8:	****** **	USER ENG	A title consisting of up to 8 characters can be given to each file.

CAM CARD R/W SELECT screen

The settings for saving (recording) specific menu data on the SD memory card and loading (reading) the data from the card are performed on this screen.

Item	Variable range	VF display	Remarks
ID READ/WRITE E	ON OFF	USER ENG	For setting camera ID saving/loading when writing data onto the SD memory card or loading data from it to ON or OFF. **ON :** The camera ID is recorded/loaded. **OFF :** The camera ID is not recorded/loaded. **Example:** If the CAMERA ID contents are not to be changed when SD memory card data is saved/loaded, select OFF as the ID READ/WRITE setting.

The underlining in the variable range column indicates the setting in the preset mode.

CAM CARD R/W SELECT screen

Item	Variable range	VF display	Remarks
CAM MAIN MENU1 LEVEL R/W E	ON OFF	USER ENG	For setting FILM (CAM) MAIN MENU 1 (items other than those marked with ▮) data saving/loading when writing data onto the SD memory card or loading data from it to ON or OFF. **ON :** The data is recorded/loaded. **OFF :** The data is not recorded/loaded. **<Note>** See page 89 for information on the items marked with ▮.
CAM MAIN MENU1 SW (▮) R/W E	ON OFF	USER ENG	For setting FILM (CAM) MAIN MENU 1 (items marked with ▮) data saving/loading when writing data onto the SD memory card or loading data from it to ON or OFF. **ON :** The data is recorded/loaded. **OFF :** The data is not recorded/loaded.
CAM MAIN MENU2 R/W E	ON OFF	USER ENG	For setting FILM (CAM) MAIN MENU 2 data saving/loading when writing data onto the SD memory card or loading data from it to ON or OFF. **ON :** The data is recorded/loaded. **OFF :** The data is not recorded/loaded.
CAM MAIN MENU3 R/W E	ON OFF	USER ENG	For setting FILM (CAM) MAIN MENU 3 data saving/loading when writing data onto the SD memory card or loading data from it to ON or OFF. **ON :** The data is recorded/loaded. **OFF :** The data is not recorded/loaded.
CAM MAIN MENU4 R/W E	ON OFF	USER ENG	For setting FILM (CAM) MAIN MENU 4 data saving/loading when writing data onto the SD memory card or loading data from it to ON or OFF. **ON :** The data is recorded/loaded. **OFF :** The data is not recorded/loaded.

<Notes>

- IWhen the frame frequency setting has been changed, it is necessary to restart the unit by turning the POWER switch to OFF and then to ON again for the setting to be switched.
- Item E will be saved regardless of the ECU DATA SAVE setting.

LENS FILE screen

The lens files are stored into the unit's internal memory and read from the memory on this screen. The white shading data and flare adjustment data are stored together as a lens file.

Item	Variable range	VF display	Remarks
FILE SELECT S / U F E	1 : 8	USER ENG	For selecting the number of the file to be read or written.
READ	——	USER ENG	For reading the lens files.
WRITE	——	USER ENG	For writing the lens files.
RESET ALL	——	USER ENG	For returning all the data from lens files 1 to 8 to the factory setting.
TITLE 1: - TITLE 8:	****** ******	USER ENG	For enabling titles each consisting of a maximum of 12 characters to be set for the files.

<Note>
When RESET ALL is executed, the white shading adjustment value and the flare setting value are reset to the factory default values.

LENS FILE (CARD R/W) screen

The contents of the eight lens files recorded in the internal memory are written on the SD memory card on this screen. Alternatively, the lens files written on the SD memory card are read into the internal memory on this screen.

Item	Variable range	VF display	Remarks
CARD FILE SELECT S / U F E	1 : 8	USER ENG	For selecting the number of the file to be read from the SD memory card or written on the SD memory card.
READ	——	USER ENG	For reading lens files from the SD memory card.
WRITE	——	USER ENG	For writing lens files to the SD memory card.
TITLE 1: - TITLE 8:	****** ******	USER ENG	For enabling titles each consisting of a maximum of 12 characters to be set for the files.

GENLOCK/IRIS screen

The genlock and iris control settings are performed on this screen.

Item	Variable range	VF display	Remarks
H PHASE COARSE	00 : 15	USER ENG	For coarsely adjusting the H phase during genlock.
H PHASE FINE	00 : 64	USER ENG	For finely adjusting the H phase during genlock.
A. IRIS LEVEL S C U F E	000 : 050 : 100	USER ENG	For setting the auto iris target level. The brightness (iris) is controlled using this value. The higher the value selected, the higher the brightness.
A. IRIS PEAK/AVE S C U F E	000 : 050 : 100	USER ENG	For setting the ratio between the auto iris peak and average value. The closer the setting is to 0, the greater the tendency toward average control; conversely, the closer the setting is to 100, the greater the tendency toward peak control.
A. IRIS MODE S C U F E	NORM1 NORM2 CENTR	USER ENG	For selecting the auto iris mode. **NORM1:** The light is measured for the entire screen (except for the edges). **NORM2:** The light is measured for the entire screen (except for the top part). **CENTR:** The light is measured in the center area of the screen only.
S. IRIS LEVEL S C U F E	000 : 080 : 100	USER ENG	For setting the super iris target level. (Backlight compensation mode)
IRIS GAIN S C U F E	CAM LENS	USER ENG	For setting whether the iris gain is to be adjusted by the camera or lens.
IRIS GAIN VALUE S C U F E	01 : 06 : 10	USER ENG	For setting the iris gain adjustment value.

The underlining in the variable range column indicates the setting in the preset mode.

LENS ADJ screen

The lens adjustments are performed on this screen.

Item	Variable range	VF display	Remarks
F2.8 ADJ	ON OFF	ENG	For outputting the voltage output only when ON is selected as this item's setting.
F16 ADJ	ON OFF	ENG	For outputting the voltage output only when ON is selected as this item's setting.

<Note>
When using a lens which enables the open limit and close limit of the lens aperture to be adjusted, set "F2.8ADJ" or "F16ADJ" to ON, and repeatedly adjust so that the lens aperture will be set to "F2.8" or "F16."
(This adjustment need not be performed if the lens does not have this adjustment function.)

The underlining in the variable range column indicates the setting in the preset mode.

FILM (CAM) USER MENU SELECT 1, 2 and 3 screens

The settings for registering the items (the same as the ones on the FILM or CAM MAIN MENU 1, 2 and 3 screens) allocated to the SUB menus to the SUB MENU screen are performed on this screen.
Registration ON (✳) or OFF (●) is set at the head of each item.
Up to 42 camera unit items can be registered.

FILM (CAM) USER MENU SELECT 1 screen

SUB menu	VF display	Remarks
ROP	ENG	Index for opening the ROP screen.
LOW SETTING	ENG	Index for opening the LOW SETTING screen.
MID SETTING	ENG	Index for opening the MID SETTING screen.
HIGH SETTING	ENG	Index for opening the HIGH SETTING screen.
ADDITIONAL DTL1	ENG	Index for opening the ADDITIONAL DTL1 screen.
ADDITIONAL DTL2	ENG	Index for opening the ADDITIONAL DTL2 screen.
SKIN TONE DTL	ENG	Index for opening the SKIN TONE DTL screen.
KNEE/LEVEL	ENG	Index for opening the KNEE/LEVEL screen.
GAMMA	ENG	Index for opening the GAMMA screen.
CAMERA SETTING	ENG	Index for opening the CAMERA SETTING screen.

FILM (CAM) USER MENU SELECT 2 screen

SUB menu	VF display	Remarks
VF DISPLAY	ENG	Index for opening the VF DISPLAY screen.
VF MARKER	ENG	Index for opening the VF MARKER screen.
VF INDICATOR	ENG	Index for opening the VF INDICATOR screen.
!LED	ENG	Index for opening the !LED screen.
CAMERA SW MODE	ENG	Index for opening the CAMERA SW MODE screen.
SUPER GAIN	ENG	Index for opening the SUPER GAIN screen.
FRAME MODE	ENG	Index for opening the FRAME MODE screen.

FILM (CAM) USER MENU SELECT 3 screen

SUB menu	VF display	Remarks
CAM CARD READ/WRITE	ENG	Index for opening the CAM CARD READ/WRITE screen.
CAM CARD R/W SELECT	ENG	Index for opening the CARD R/W SELECT screen.
LENS FILE	ENG	Index for opening the LENS FILE screen.
LENS FILE (CARD R/W)	ENG	Index for opening the LENS FILE (CARD R/W) screen.
GENLOCK/IRIS	ENG	Index for opening the GENLOCK/IRIS screen.

BLACK SHADING screen

The black shading adjustments are performed on this screen.

Item	Variable range	VF display	Remarks
DETECTION	———	ENG	For execution of the digital shading compensation.
CORRECT (DIG) S C U F E	ON OFF	ENG	For setting the digital shading compensation to ON or OFF.

WHITE SHADING screen

The white shading adjustments are performed on this screen.

Item	Variable range	VF display	Remarks
DETECTION (V SAW)	———	ENG	For executing vertical white shading compensation.
CORRECT S C U F E	ON OFF	ENG	For setting the shading compensation to ON or OFF.

FLARE screen

The camera's flare settings are performed on this screen.

Item	Variable range	VF display	Remarks
R FLARE E	000 : 100	ENG	For setting the R channel flare; the preset value differs from one camera to another.
G FLARE E	000 : 100	ENG	For setting the G channel flare; the preset value differs from one camera to another.
B FLARE E	000 : 100	ENG	For setting the B channel flare; the preset value differs from one camera to another.

<Note>
The white shading adjustment value and the flare setting value can be written to the internal memory as a lens file.

COLORIMETRY screen

The luminance signal standard is selected on this screen.

Item	Variable range	VF display	Remarks
MATRIX F E	SMPTE-274 SMPTE-240 NTSC	ENG	For selecting the luminance signal standard.

INITIALIZE screen

The film or camera menu settings are initialized and scene files are saved on this screen.

Item	Variable range	VF display	Remarks
READ FACTORY DATA	———	ENG	For restoring the film or camera menu data settings to the factory settings.
WRITE USER DATA	———	ENG	For saving the user's own film or camera menu data in the unit's memory.
SCENE SEL F E	1 : 4	ENG	For designating the number of the scene file.
READ	———	ENG	For loading the scene file whose SCENE SEL was designated.
WRITE	———	ENG	For saving data in the scene file whose SCENE SEL was designated.
RESET	———	ENG	For restoring the scene file data settings to the factory settings.
TITLE 1	———	ENG	For setting the title in scene file No.1.
TITLE 2	———	ENG	For setting the title in scene file No.2.
TITLE 3	———	ENG	For setting the title in scene file No.3.
TITLE 4	———	ENG	For setting the title in scene file No.4.

<Notes>
- Since SYSTEM FREQ may change as a result of executing the READ FACTORY DATA, turn the power off and then back on again.
- Item E will be saved regardless of the ECU DATA SAVE setting.

The underlining in the variable range column indicates the setting in the preset mode.

DIAGNOSTIC screen

The usage statuses and software versions are displayed on this screen.

Item	Variable range	VF display	Remarks
CAMSOFT (IN)	——	ENG	For displaying the version of the software for the built-in flash memory.
CAMSOFT (OUT)	——	ENG	For displaying the version of the software for the external flash memory.
CAM TABLE	——	ENG	For displaying the version of the gamma table.
PLD (CAM)	——	ENG	For displaying the version of the software for the camera system computer.
PLD (SHD)	——	ENG	For displaying the version of the software for the shading.
PLD (FM)	——	ENG	For displaying the version of the software program for the frame memory.

EVALUATION screen

The items which are measured for evaluation purposes are set on this screen.
(S/N, MODULATION, RESOLUTION, SENSITIVITY)

SUB menu	VF display	Remarks
S/N	ENG	Index for opening the S/N measurement screen.
MODULATION	ENG	Index for opening the modulation measurement screen.
RESOLUTION	ENG	Index for opening the resolution measurement screen.
SENSITIVITY	ENG	Index for opening the sensitivity measurement screen.

The underlining in the variable range column indicates the setting in the preset mode.

OPTION screen

The engineer menu display is selected on this screen.

Item	Variable range	VF display	Remarks
ENG SECURITY U F E	ON OFF	ENG	For selecting whether to display the engineer menu. **ON :** The engineer menu is not displayed. **OFF :** The engineer menu is displayed.
SHD, ABB SW CTRL U F E	ON OFF	ENG	For selecting whether to automatically correct black shading when the AUTO W/B BAL switch is pressed continuously for 8 seconds or more on the ABB side. **ON :** Black shading is corrected automatically. **OFF :** Black shading is not corrected automatically.
AWB AREA U F E	25% 50% 90%	ENG	For selecting the white balance search area.
AWB & ABB OFFSET U F E	ON OFF	ENG	For setting how gain and pedestal values, which are set on the ROP screen of FILM (CAM) MAIN MENU 1, are to be processed after auto white balance and auto black balance are performed. **ON :** Settings are added. **OFF :** The values are reset to zero.
CAM MENU SEL C U F E	VIDEO MENU FILM MENU	ENG	For setting the unit's operation mode. **VIDEO MENU:** The unit is set to the video mode. When VIDEO MENU is selected, the FILM USER MENU and FILM MAIN MENU displays will be changed to CAM USER MENU and CAM MAIN MENU. **FILM MENU:** The unit is set to the film mode. **<Note>** When setting this item on the AJ-EC3 extension control unit, after switching to this item first, then turn ECU DATA SAVE item ON on the CAM SW MODE screen in FILM (CAM) MAIN MENU2.

<Notes>

- For details on how to release ENG SECURITY, consult your nearest service center.
- Item E will be saved regardless of the ECU DATA SAVE setting.

OPTION screen

Item	Variable range	VF display	Remarks
SYSTEM FREQ. U F E	59.94Hz 60.00Hz	ENG	For setting the unit's frame frequency.
EVF SEL U F E	MONO COLOR	ENG	The EVF terminal video signal will be switched. **MONO:** Only the Y signal is output to the EVF connecter. **COLOR:** The Y, Pb, and Pr signals are output to the EVF connecter. Currently there is no viewfinder to support this.
SUPER DTL U F E	ON OFF	ENG	For selecting the kind of detail to be provided. **ON:** A stronger detail than usual is provided. **OFF:** The same level of detail as usual is provided.

<Notes>

- When the frame frequency setting has been changed, it is necessary to restart the unit by turning the POWER switch to OFF and then to ON again for the setting to be switched.
- When MONO has been selected as the EVF SEL item setting, the marker displays are set on the VF MARKER screen of FILM (CAM) MAIN MENU 2. When COLOR has been selected instead, they are set using MONITOR MARKER on the VTR MAIN MENU screen. Furthermore, when COLOR is selected, the EVF ZEBRA and EVF DETAIL functions no longer work.
- When setting SUPER DTL to ON, please adjust the H.DTL LEVEL, H.DTL FREQ and DTL CLIP values. Also, please adjust the V.DTL LEVEL according to these values.
- Item E will be saved regardless of the ECU DATA SAVE setting.

The underlining in the variable range column indicates the setting in the preset mode.

EVALUATION screen

● S/N measurement screen

The S/N measurements are performed on this screen.

Item	Variable range	VF display	Remarks
S/N	ON	ENG	For setting the S/N measurement.
DETAIL	ON OFF	ENG	For setting the DETAIL to ON or OFF.
H-F COMPE.	ON OFF	ENG	For setting the high-frequency compensation to ON or OFF.
GAMMA	ON OFF	ENG	For setting the GAMMA to ON or OFF.
MATRIX	ON OFF	ENG	For setting the MATRIX to ON or OFF.
FLARE	ON OFF	ENG	For setting the FLARE to ON or OFF.
M. PED	–200 : +140 : +200	ENG	For adjusting the master pedestal level.

● Modulation measurement screen

The modulation measurements are performed on this screen.

Item	Variable range	VF display	Remarks
MODULATION	ON	ENG	For setting the modulation measurement.
DETAIL	ON OFF	ENG	For setting the DETAIL to ON or OFF.
H-F COMPE.	ON OFF	ENG	For setting the high-frequency compensation to ON or OFF.
GAMMA	ON OFF	ENG	For setting the GAMMA to ON or OFF.
MATRIX	ON OFF	ENG	For setting the MATRIX to ON or OFF.
FLARE	ON OFF	ENG	For setting the FLARE to ON or OFF.
M. PED (FILM MENU) (CAM MENU)	–200 : +000 : +018 : +200	ENG	For adjusting the master pedestal level.

<Note>

The EVALUATION screen items are returned to their default settings as soon as the menu is exited.

● Resolution measurement screen

The resolution measurements are performed on this screen.

Item	Variable range	VF display	Remarks
RESOLUTION	ON	ENG	For setting the resolution measurement.
DETAIL	ON OFF	ENG	For setting the DETAIL to ON or OFF.
H-F COMPE.	ON OFF	ENG	For setting the high-frequency compensation to ON or OFF.
GAMMA	ON OFF	ENG	For setting the GAMMA to ON or OFF.
MATRIX	ON OFF	ENG	For setting the MATRIX to ON or OFF.
FLARE	ON OFF	ENG	For setting the FLARE to ON or OFF.
M. PED (FILM MENU) (CAM MENU)	–200 : +000 : +018 : +200	ENG	For adjusting the master pedestal level.

● Sensitivity measurement screen

The sensitivity measurements are performed on this screen.

Item	Variable range	VF display	Remarks
SENSITIVITY	ON	ENG	For setting the sensitivity measurement.
KNEE	ON OFF	ENG	For setting the KNEE to ON or OFF.
W. CLIP	ON OFF	ENG	For setting the white clip to ON or OFF.
M. PED (FILM MENU) (CAM MENU)	–200 : +000 : +018 : +200	ENG	For adjusting the master pedestal level.

VTR MAIN MENU screen

SUB menu	VF display	Remarks
FUNCTION	ENG	Index for opening the FUNCTION screen.
BATTERY/ TAPE	ENG	Index for opening the BATTERY/TAPE screen.
BATTERY SETTING	ENG	Index for opening the BATTERY SETTING screen.
VTR VF INDICATOR	ENG	Index for opening the VTR VF INDICATOR screen.
MIC/AUDIO	ENG	Index for opening the MIC/AUDIO screen.
TC/UB	ENG	Index for opening the TC/UB screen.
TIME/DATE	ENG	Index for opening the TIME/DATE screen.
VTR USER MENU SELECT	ENG	Index for opening the VTR USER MENU SELECT screen.
VTR CARD READ/WRITE	ENG	Index for opening the VTR CARD READ/WRITE screen.
VTR INITIALIZE	ENG	Index for opening the VTR INITIALIZE screen.
DIAGNOSTIC	ENG	Index for opening the VTR DIAGNOSTIC screen.

FUNCTION screen

The VTR's functions are set on this screen.

Item	Variable range	VF display	Remarks
NEWS REC MODE C U F	OFF 0.2 : 2.0	USER ENG	For selecting the VTR START button acknowledgment time during recording. **OFF:** The pressing of the VTR START button is acknowledged immediately, recording is stopped, and the unit is set to the REC PAUSE mode. **0.2—2.0:** The pressing of the VTR START button is not acknowledged and recording is continued for the time set (in increments of 0.2 sec.).
HUMID OPE C U F	ON OFF	USER ENG	For selecting the VTR operation when condensation has formed. **ON :** Operation is continued as usual. **OFF :** Operation of all controls except the POWER switch and EJECT button is inhibited.
REC START C U F	ALL NORMAL	USER ENG	For selecting acknowledgement of recording started by the VTR START button. **ALL:** The start of the recording is acknowledged regardless of the VTR mode. **NORMAL:** The start of the recording is acknowledged only in the STOP (POWER SAVE) mode and REC PAUSE mode.
PAUSE TIMER C U F	10 20 30 60	USER ENG	For selecting the amount of time REC PAUSE is to be held. **10/20/30/60:** 10, 20, 30 or 60 minutes.
RETAKE MODE C F	ON OFF	USER ENG	Functions for rewinding the tape to the position where recording started. **ON :** The RETAKE function works. **OFF :** The RETAKE function does not work. **<Note>** The RETAKE function is set OFF when the unit's power switch has been set to ON.

The underlining in the variable range column indicates the setting in the preset mode.

Item	Variable range	VF display	Remarks
INTERVAL REC MODE F	ON ONE SHOT OFF	USER ENG	For selecting the intermittent recording mode. **ON:** Intermittent recording is performed. **ONE SHOT:** Intermittent recording is performed once and then stopped. **OFF:** Intermittent recording is not performed. **<Note>** Intermittent recording is set OFF when the unit's power switch has been set to ON.
INTERVAL REC TIME C U F	00s10f : 59s29f	USER ENG	For setting the REC time for intermittent recording. **<Note>** When REC time is set at less than 1 second, the initial recording time will be 1 second.
INTERVAL PAUSE TIME C U F	00h00m02s : 23h59m59s	USER ENG	For setting the REC PAUSE time for intermittent recording.
ECU REC CHK SW C U F	R. REVIEW RETAKE	USER ENG	For selecting the unit operation when the REC CHK button on the AJ-EC3 extension control unit is pressed. **R. REVIEW:** Rec review is performed. **RETAKE:** Retake is performed, then playback.
CHARACTER ON SDI C U F	MENU STATUS	USER ENG	For selecting the item to be superimposed on the SDI output signals. **MENU:** The menu screen is superimposed. **STATUS:** The menu screen and viewfinder status display are superimposed. **<Note>** Neither of these items will be superimposed when the CHARACTER switch on the side panel is set to OFF.
COMPRESSION MODE C U F	NORMAL DARK	USER ENG	For selecting the DVCPRO compression mode. **NORMAL:** Normal shooting is conducted in this mode. **DARK:** This modes reduces the distortion in the compressed images which occurs in the dark areas of the images. However, the distortion in the compressed images in other areas may be increased.

BATTERY/TAPE screen

Select the settings which match the type of battery used on this screen.
The warning tone which signals the remaining battery charge and remaining tape and which is heard during shooting can be switched off if they prove to be distracting.

Item	Variable range	VF display	Remarks
BATTERY SELECT C U F	AJ-BP490 AU-BP402 PRO14 TRIM14 TRIM13 DIGITAL14 DIONIC90 DIONIC160 BP-H90 BP-H100 NP-L50 ENDURA50 ENDURA-D BP-L60/90	USER ENG	For selecting the type of battery used. **AJ-BP490 :** AJ-BP490 battery **AU-BP402 :** AU-BP402 battery **PRO14 :** Anton/Bauer PRO14 battery **TRIM14 :** Anton/Bauer TRIM14 battery **TRIM13 :** Anton/Bauer TRIM13 battery **DIGITAL14 :** Anton/Bauer DIGITAL battery (14V) **DIONIC90 :** Anton/Bauer DIONIC90 DIGITAL battery **DIONIC160 :** Anton/Bauer DIONIC160 DIGITAL battery **BP-H90 :** IDX BP-H90 battery **BP-H100 :** IDX BP-H100 battery **NP-L50 :** IDX NP-L50 battery **ENDURA50 :** IDX ENDURA50 battery **ENDURA-D :** When mounting the V-mount adapter plate made by IDX to use a digital battery **BP-L60/90 :** Sony BP-L60/90 battery
EXT DC IN SELECT C U F	AC-ADPT AJ-BP490 AU-BP402 PRO14 TRIM14 BP-H90 BP-H100 BP-L60/90	USER ENG	For selecting the power source to be connected to the DC IN socket.

BATTERY/TAPE screen

Item	Variable range	VF display	Remarks
BATT NEAR END ALARM C U F	ON OFF	USER ENG	For setting the warning tone heard when the battery is near the end of its charge to ON or OFF.
BATT NEAR END CANCEL C U F	ON OFF	USER ENG	For switching the function which cancels the warning tone heard when the battery is near the end of its charge to ON or OFF using the MODE switch.
BATT END ALARM C U F	ON OFF	USER ENG	For setting the warning tone heard when the battery is at the end of its charge to ON or OFF.
BATT REMAIN FULL C U F	100% 70%	USER ENG	For selecting the battery capacity at which “FULL” is to appear on the LCD display window as the remaining battery display (for all 7 segments to be lighted).
TAPE NEAR END ALARM C U F	ON OFF	USER ENG	For setting the warning tone heard when the end of the tape is near to ON or OFF.
TAPE NEAR END TIME C U F	3min 2min	USER ENG	For setting the remaining tape time for which the warning tone is to be heard when the end of the tape is near.
TAPE END ALARM C U F	ON OFF	USER ENG	For setting the warning tone heard when the tape has reached its end to ON or OFF.
TAPE REMAIN/■ C U F	3min/■ 5min/■	USER ENG	For setting the time for one segment of the remaining tape display indicated on the LCD display window. **3min/■ :** One segment is set to 3 minutes. **5min/■ :** One segment is set to 5 minutes.

The underlining in the variable range column indicates the setting in the preset mode.

BATTERY SETTING screen

The type of battery to be used is selected and its settings are performed on this screen.

Item	Variable range	VF display	Remarks
AJ-BP490 / C U F	MANUAL AUTO	ENG	For setting the AJ-BP490 and the PACO HP-90A battery.
AU-BP402 / C U F	MANUAL AUTO	ENG	For setting the AU-BP402 battery.
PRO14 / C U F	MANUAL AUTO	ENG	For setting the Anton/Bauer PRO14 battery.
TRIM14 / C U F	MANUAL AUTO	ENG	For setting the Anton/Bauer TRIM14 battery.
TRIM13 / C U F	MANUAL AUTO	ENG	For setting the Anton/Bauer TRIM13 battery.
DIGITAL14 / C U F	MANUAL AUTO	ENG	For setting the Anton/Bauer digital battery (14V).
DIONIC90 / C U F	MANUAL AUTO	ENG	For setting the Anton/Bauer DIONIC90 digital battery.
DIONIC160 / C U F	MANUAL AUTO	ENG	For setting the Anton/Bauer DIONIC160 digital battery.
BP-H90 / C U F	MANUAL AUTO	ENG	For setting the IDX BP-H90 battery.
BP-H100 / C U F	MANUAL AUTO	ENG	For setting the IDX BP-H100 battery.
NP-L50 / C U F	MANUAL AUTO	ENG	For setting the IDX NP-L50 battery.
ENDURA50 / C U F	MANUAL AUTO	ENG	For setting the IDX ENDURA50 battery.
ENDURA-D / C U F	MANUAL AUTO	ENG	For use when mounting the V-mount adapter plate made by IDX to use a digital battery
BP-L60/90 / C U F	MANUAL AUTO	ENG	For setting the Sony BP-L60/90 battery.

1. Either "∗" or "●" appears in front of each item to indicate whether the item is set to ON or OFF.
   ∗ : ON
   ● : OFF
2. Each time the JOG dial button is pressed, the setting moves in the following sequence:

ON/OFF setting
↓
AUTO/MANUAL setting

AUTO : The NEAR END voltage value preset in each battery is used.
MANUAL : The NEAR END voltage setting for each battery can be changed.

↓
NEAR END voltage setting
↓
Item movement

MONITOR MARKER screen

Using the menu settings on this screen, it is possible to select the display used for the safety zone and other markers for the HD SDI MON connector and also for the EVF connector when COLOR has been selected as the EVF SEL item setting on the OPTION menu from FILM (CAM) MAIN MENU 4.

Item	Variable range	VF display	Remarks
SAFTY ZONE / C U F	16:9 4:3 OFF	USER ENG	For selecting the safety zone (90%).
CENTER MARK / C U F	ON OFF	USER ENG	For selecting ON or OFF for the center marker display.
FRAME SIG / C U F	4:3 14:9 VISTA CNSCO	USER ENG	For switching the frame marker display. **VISTA** : 1:1.85 **CNSCO** : 1:1.235
MARK / C U F	ON OFF	USER ENG	For selecting ON or OFF for the frame marker display.

<Note>
Set the marker displays to appear on a regular black-and-white viewfinder on the VF MARKER screen of FILM (CAM) MAIN MENU 2.

The underlining in the variable range column indicates the setting in the preset mode.

VTR VF INDICATOR screen

The information to be displayed in the viewfinder is set on this screen.

Item	Variable range	VF display	Remarks
TAPE (IND) C U F	ON OFF	USER ENG	For switching the remaining tape display to ON or OFF.
BATTERY (IND) C U F	ON OFF	USER ENG	For switching the battery voltage display to ON or OFF.
LEVEL METER (IND) C U F	CH1 CH1•CH2 OFF	USER ENG	For selecting what the audio level meter is to display. **CH1:** The level of the CH1 signals only is displayed. **CH1•CH2:** The levels of both the CH1 and CH2 signals are displayed. **OFF:** No display.
AUDIO IN (IND) C U F	ON OFF	USER ENG	For switching the audio input display to ON or OFF. **ON:** The audio input is displayed. **OFF:** The audio input is not displayed.
TC (IND) C U F	TCG TCR TCG/TCR OFF	USER ENG	For selecting what the time code is to display. **TCG:** The time code generated by the time code generator is displayed in the E-E mode. **TCR:** The time code reader value is displayed in the V-V mode. **TCG/TCR:** The time code generated by the time code generator is displayed in the E-E mode; the time code reader value is displayed in the V-V mode. **OFF:** The time code is not displayed.
VTR WARNING (IND) C U F	ALWAYS NORMAL OFF	USER ENG	For setting when the VTR's warnings are to be displayed. **ALWAYS:** The warning display always appears when a warning has occurred. **NORMAL:** The display appears for 3 seconds after the warning occurred and for 3 seconds after recording was started or completed. **OFF:** The warning displays do not appear.
COMPRESSION (IND) C U F	ON OFF	USER ENG	For setting the compression mode display to ON or OFF. **ON:** "COMP" appears at the top right when DARK has been selected as the COMPRESSION setting on the FUNCTION screen. **OFF:** The compression mode is not displayed.
SAVE LED C U F	SAVE&TAPE SAVE	USER ENG	For setting the operation of the SAVE lamp. **SAVE:** This lights when the VTR SAVE/STBY switch has been set to SAVE. It goes off during recording. **SAVE&TAPE:** This lights when the VTR SAVE/STBY switch has been set to SAVE. It goes off during recording. When the tape is approaching its end, it flashes in tandem with the warning alarm that sounds when tape-end is approaching.

MIC/AUDIO screen

The MIC/AUDIO settings are performed on this screen.

Item	Variable range	VF display	Remarks
FRONT MIC POWER C U F	ON OFF	USER ENG	**ON :** The phantom power is supplied to the front microphone. **OFF :** The phantom power is not supplied to the front microphone.

The underlining in the variable range column indicates the setting in the preset mode.

MIC/AUDIO screen

Item	Variable range	VF display	Remarks
MIC LOWCUT CH1 C U F	FRONT REAR F&R OFF	USER ENG	For setting the high-pass filter for the CH1 mic input. **FRONT:** The high-pass filter for the front mic input is set to ON. **REAR:** The high-pass filter for the rear mic input is set to ON. **F&R:** The high-pass filters for both the front and rear mic inputs are set to ON. **OFF:** The high-pass filter for the CH1 input is set to OFF.
MIC LOWCUT CH2 C U F	FRONT REAR F&R OFF	USER ENG	For setting the high-pass filter for the CH2 mic input. **FRONT:** The high-pass filter for the front mic input is set to ON. **REAR:** The high-pass filter for the rear mic input is set to ON. **F&R:** The high-pass filters for both the front and rear mic inputs are set to ON. **OFF:** The high-pass filter for the CH2 input is set to OFF.
LIMITER C U F	ON OFF	USER ENG	For switching the audio limiter to ON or OFF. **ON :** The limiter operates. **OFF :** The limiter does not operate.
TEST TONE C U F	NORMAL ALWAYS OFF CHSEL	USER ENG	**NORMAL:** The test tone signal is output when the AUDIO IN switch for CH1 is set to front while BAR is selected as the CAM/BAR switch setting. **ALWAYS:** The test tone signal is always output when BAR is selected as the CAM/BAR switch setting. **OFF:** The test tone signal is not output. **CHSEL:** The test tone signal is output for the selected channel when the AUDIO IN switch CH1 or CH2 is set to front while BAR is selected as the CAM/BAR switch setting.

<Note>
The frequency characteristics in the MIC LOWCUT ON mode are 200 Hz to 10 kHz.

Item	Variable range	VF display	Remarks
CUE SELECT C U F	SIDE SW CH1 CH2 MIX	USER ENG	For setting the audio signals to be recorded on the cue track. **SIDE SW:** The signals selected by the CUE switch on the side panel are recorded. **CH1:** The CH1 signals are recorded. **CH2:** The CH2 signals are recorded. **MIX:** The CH1 and CH2 mixed signals are recorded.
EMBEDDED AUDIO (60 Hz) C U F	ON OFF	USER ENG	For setting whether the embedded audio signals are to be output to the HD SDI MON connector and HD SDI EE connector when 60.00 Hz has been selected as the frame frequency setting. **ON :** The embedded audio signals are output. **OFF :** The embedded audio signals are not output.
A/V SYNCHRO C U F	ON OFF	USER ENG	At low frame rates, the images lag behind the sound. This item is used to select whether this lag is to be adjusted. **ON:** The lag is adjusted so that the timing of the images is more or less in synchronization with the timing of the sound. **OFF:** The lag is not adjusted. The same operations as in previous models are performed.

<Notes>
- When ON has been selected as the A/V SYNCHRO item setting, noise may be carried on the audio signals at those moments when the frame rate is switched.
- The timing of the images and the timing of the sound are fixed while recording is in progress. This means that these two timings may not be in synchronization when the frame rate is switched during recoding even when ON has been selected as the A/V SYNCHRO item setting.
- At frame rates of 12P and less, it is not possible for the timing of the images and the timing of the sound to be in synchronization even when ON has been selected as the A/V SYNCHRO item setting. The 12P timing will be fixed.

The underlining in the variable range column indicates the setting in the preset mode.

TC/UB screen

The time code and user bits settings are performed on this screen.

Item	Variable range	VF display	Remarks
TC MODE C U F	DF NDF	USER ENG	For setting the time code to the DF or NDF mode. **DF :** The time code is set to the drop frame mode. **NDF :** The time code is set to the non-drop frame mode. **<Note>** This unit will perform the processing in the non-drop frame mode when the frame rate has been set to 24 fps.
UB MODE C U F	USER DATE TIME EXT TCG	USER ENG	For setting what is to be written as the user bits in the LTC area. **USER :** User setting (fixed). **DATE :** Real time value for year/month/day/ hours. **TIME :** Real time value for hours/minutes/ seconds. **EXT :** The UBG value is slave-locked when a TC signal is supplied from an external source. (The user setting is used when no external input is supplied.) **TCG :** Time code generator value **<Note>** Set the time on the TIME/DATE menu screen when using the UB MODE item with real-time operation.

The underlining in the variable range column indicates the setting in the preset mode.

Item	Variable range	VF display	Remarks
TCG SET HOLD C U F	ON OFF	USER ENG	For selecting the operation of TCG when the TCG SET ➧ power OFF ➧ power ON ➧ REC operations are performed. **ON :** The TCG setting is stored when the power is turned off, and is not regenerated. **OFF :** The TCG setting is not stored when the power is turned off, but is regenerated.
FIRST REC TC C U F	REGEN PRESET	USER ENG	For setting the TC REGEN mode when recording is started. **REGEN:** The time code set on the tape is regenerated. However, when the frame rate has been set to 24 fps, the time code on the tape in those parts where the drop frame mode was established will not be regenerated. **PRESET:** The time code set on the tape is not regenerated. However, it is forcibly regenerated when the unit is transferred from the rec-pause mode to the recording mode.

<Note>
When USER is set for the UB MODE item, it is not possible to set EXT for the VITC UB MODE item.
Similarly, it is not possible to set EXT for the UB MODE item when USER has been set for the VITC UB MODE item.

This unit automatically stores as the tape management information both the frame rate information which indicates the shooting speed and the active frame information which indicates the first frame where the frame image was switched in the user bits of the sub-code track area (this used to be the LTC area). This information is output from the TC OUT connector, HD SDI MON connector and HD SDI EE connector. Further, the active frame information is stored in the least significant digit of the user bits while the frame rate information is stored in its lower third and fourth digits.

<Notes>

- When “DATE,” “TCG” or “USER” has been selected as the UB MODE item setting on the TC/UB screen, the tape management information is output from the least significant digit to the lower fourth digit of the user bits, so no other user bits information will be output.
- The tape management information is not output as the user bits information in the VIDEO AUX area (this used to be the VITC area).

TC/UB screen

The time code and user bits settings are performed on this screen.

Item	Variable range	VF display	Remarks
P. OFF LCD DISPLAY / C U F /	<u>ON</u> OFF	USER ENG	For setting whether the LCD display is to appear when the power is OFF. **ON :** The LCD display appears even when the power is OFF. **OFF :** The LCD display does not appear when the power is OFF. The power-saving mode is established.
TC OUT / C U F /	<u>TCG</u> TCG/TCR	USER ENG	For selecting the time code which is to be output to the time code output connector. **TCG:** The time code generated by the time code generator is output at all times. **TCG/TCR:** The time code generated by the time code generator is output in the E-E mode; the time code reader value is output in the V-V mode.

Item	Variable range	VF display	Remarks
VITC UB MODE / C U F /	USER DATE <u>TIME</u> EXT TCG	USER ENG	For setting what is to be written as the user bits in the VITC area. **USER :** User setting (fixed). **DATE :** Real time value for year/month/day/ hours. **TIME :** Real time value for hours/minutes/ seconds. **EXT :** The UBG value is slave-locked when a TC signal is supplied from an external source. (The user setting is used when no external input is supplied.) **TCG :** Time code generator value **<Notes>** ● Set the time on the TIME/DATE menu screen when using the UB MODE item with real-time operation. ● The tape management information is not output as the user bits information in the VITC area.
TC DISP SEL / C U F /	<u>24F</u> 25F 30F	USER ENG	For setting the number of frames to be displayed per second in the time code frame digits. **24F:** 0 to 23 frames will be displayed per second. **25F:** 0 to 24 frames will be displayed per second. **30F:** 0 to 29 frames will be displayed per second.

The underlining in the variable range column indicates the setting in the preset mode.

TIME DATE screen

The time/date settings are performed on this screen.

Item	Variable range	VF display	Remarks
YEAR	00—05—99	ENG	For setting the year.
MONTH	1 — 12	ENG	For setting the month.
DAY	1 — 31	ENG	For setting the day.
HOUR	0 — 23	ENG	For setting the hours.
MINUTE	0 — 59	ENG	For setting the minutes.
■ TIME/DATE SET	———	ENG	For entering the time and date.

VTR USER MENU SELECT screen

This is the index screen for opening the screens containing the items to be registered on the VTR unit's USER MENU.

SUB menu	VF display	Remarks
FUNCTION	ENG	Index for opening the FUNCTION screen.
BATTERY/TAPE	ENG	Index for opening the BATTERY/TAPE screen.
MONITOR MARKER	ENG	Index for opening the screen (MONITOR MARKER) on which to set the markers for the HD SDI MON connector and color EVF.
VTR VF INDICATOR	ENG	Index for opening the VTR VF INDICATOR screen.
MIC/AUDIO	ENG	Index for opening the MIC/AUDIO screen.
TC/UB	ENG	Index for opening the TC/UB screen.

VTR CARD READ/WRITE screen

The settings for saving the menu data onto the SD memory card and loading the data from it are performed on this screen.

Item	Variable range	VF display	Remarks
READ	———	ENG	For loading the VTR data from the SD memory card.
WRITE	———	ENG	For saving the VTR data onto the SD memory card.
READ USER DATA	———	ENG	For loading the VTR user area data contained in the unit's internal memory.

The underlining in the variable range column indicates the setting in the preset mode.

VTR INITIALIZE screen

The VTR MENU settings are initialized and the user data is saved on this screen.

Item	Variable range	VF display	Remarks
READ FACTORY DATA	———	ENG	For returning the menu data to the factory settings.
WRITE VTR USER DATA	———	ENG	For saving the VTR MENU data inherent to the user into the unit's memory.

DIAGNOSTIC screen

The use statuses and software versions are displayed on this screen.

Item	Variable range	VF display	Remarks
OPERATION	———	ENG	Operating time with power ON.
DRUM RUNNING	———	ENG	Number of hours the drum has rotated.
THREADING	———	ENG	Number of times tapes have been loaded.
VTR SYSCON	———	ENG	For displaying the version of the system microcomputer.
SERVO	———	ENG	For displaying the version of the servo microcomputer.
MECHACON	———	ENG	For displaying the version of the mechanism control microcomputer.
FRONT	———	ENG	For displaying the version of the LCD panel drive microcomputer.
SDI IF	———	ENG	For displaying the version of the SDI IF FPGA.
AUDIO	———	ENG	For displaying the version of the AUDIO FPGA.
CODEC	———	ENG	For displaying the version of the CODEC FPGA.

Setting menu screens VTR USER MENU SELECT

ON (∗) or OFF (●) is set on this screen to determine which items are to be registered on the USER MENU screen.
The maximum number of VTR unit items which can be registered is 14.

FUNCTION screen

Item	Variable range	VF display	Remarks
NEWS REC MODE C U F	∗ ●	ENG	For setting the registration of the NEWS REC MODE item on the USER MENU screen.
HUMID OPE C U F	∗ ●	ENG	For setting the registration of the HUMID OPE item on the USER MENU screen.
REC START C U F	∗ ●	ENG	For setting the registration of the REC START item on the USER MENU screen.
PAUSE TIMER C U F	∗ ●	ENG	For setting the registration of the PAUSE TIMER item on the USER MENU screen.
RETAKE MODE C U F	∗ ●	ENG	For setting the registration of the RETAKE MODE item on the USER MENU screen.
INTERVAL REC MODE C U F	∗ ●	ENG	For setting the registration of the INTERVAL REC MODE item on the USER MENU screen.
INTERVAL REC TIME C U F	∗ ●	ENG	For setting the registration of the INTERVAL REC TIME item on the USER MENU screen.
INTERVAL PAUSE TIME C U F	∗ ●	ENG	For setting the registration of the INTERVAL PAUSE TIME item on the USER MENU screen.
ECU REC CHK SW C U F	∗ ●	ENG	For setting the registration of the ECU REC CHK SW item on the USER MENU screen.
CHARACTER ON SDI C U F	∗ ●	ENG	For setting the registration of the CHARACTER ON SDI item on the USER MENU screen.
COMPRESSION MODE C U F	∗ ●	ENG	For setting the registration of the COMPRESSION item on the USER MENU screen.

BATTERY/TAPE screen

Item	Variable range	VF display	Remarks
BATTERY SELECT C U F	∗ ●	ENG	For setting the registration of the BATTERY SELECT item on the USER MENU screen.
EXT DC IN SELECT C U F	∗ ●	ENG	For setting the registration of the EXT DC IN SELECT item on the USER MENU screen.

BATTERY/TAPE screen

Item	Variable range	VF display	Remarks
BATT NEAR END ALARM C U F	∗ ●	ENG	For setting the registration of the BATT NEAR END ALARM item on the USER MENU screen.
BATT NEAR END CANCEL C U F	∗ ●	ENG	For setting the registration of the BATT NEAR END CANCEL item on the USER MENU screen.
BATT END ALARM C U F	∗ ●	ENG	For setting the registration of the BATT END ALARM item on the USER MENU screen.
BATT REMAIN FULL C U F	∗ ●	ENG	For setting the registration of the BATT REMAIN FULL item on the USER MENU screen.
TAPE NEAR END ALARM C U F	∗ ●	ENG	For setting the registration of the TAPE NEAR END ALARM item on the USER MENU screen.
TAPE NEAR END TIME C U F	∗ ●	ENG	For setting the registration of the TAPE NEAR END TIME item on the USER MENU screen.
TAPE END ALARM C U F	∗ ●	ENG	For setting the registration of the TAPE END ALARM item on the USER MENU screen.
TAPE REMAIN /■ C U F	∗ ●	ENG	For setting the registration of the TAPE REMAIN/■ item on the USER MENU screen.

MONITOR MARKER screen

Item	Variable range	VF display	Remarks
SAFETY ZONE C U F	∗ ●	ENG	For setting the registration of the SAFETY MENU item on the USER MENU screen.
CENTER MARK C U F	∗ ●	ENG	For setting the registration of the CENTER MARK item on the USER MENU screen.
FRAME SIG C U F	∗ ●	ENG	For setting the registration of the FRAME SIG item on the USER MENU screen.
MARK C U F	∗ ●	ENG	For setting the registration of the MARK item on the USER MENU screen.

The underlining in the variable range column indicates the setting in the preset mode.

ON (∗) or OFF (●) is set on this screen to determine which items are to be registered on the USER MENU screen.
The maximum number of VTR unit items which can be registered is 14.

VTR VF INDICATOR screen

Item	Variable range	VF display	Remarks
TAPE (IND) C U F	∗ ●	ENG	For setting the registration of the TAPE (VF INDICATOR) item on the USER MENU screen.
BATTERY (IND) C U F	∗ ●	ENG	For setting the registration of the BATTERY (VF INDICATOR) item on the USER MENU screen.
LEVEL METER (IND) C U F	∗ ●	ENG	For setting the registration of the LVEL METER (VF INDICATOR) item on the USER MENU screen.
AUDIO IN (IND) C U F	∗ ●	ENG	For setting the registration of the AUDIO IN (VF INDICATOR) item on the USER MENU screen.
TC (IND) C U F	∗ ●	ENG	For setting the registration of the TC (VF INDICATOR) item on the USER MENU screen.
VTR WARNING (IND) C U F	∗ ●	ENG	For setting the registration of the VTR WARNING (VF INDICATOR) item on the USER MENU screen.
COMPRESSION (IND) C U F	∗ ●	ENG	For setting the registration of the COMPRESSION (VF INDICATOR) item on the USER MENU screen.
SAVE LED C U F	∗ ●	ENG	For setting the registration of the SAVE LED item on the USER MENU screen.

MIC/AUDIO screen

Item	Variable range	VF display	Remarks
FRONT MIC POWER C U F	∗ ●	ENG	For setting the registration of the FRONT MIC POWER item on the USER MENU screen.
MIC LOWCUT CH1 C U F	∗ ●	ENG	For setting the registration of the MIC LOWCUT CH1 item on the USER MENU screen.
MIC LOWCUT CH2 C U F	∗ ●	ENG	For setting the registration of the MIC LOWCUT CH2 item on the USER MENU screen.
LIMITER C U F	∗ ●	ENG	For setting the registration of the LIMITER item on the USER MENU screen.
TEST TONE C U F	∗ ●	ENG	For setting the registration of the TEST TONE item on the USER MENU screen.

MIC/AUDIO screen

Item	Variable range	VF display	Remarks
CUE SELECT C U F	∗ ●	ENG	For setting the registration of the CUE SELECT item on the USER MENU screen.
EMBEDDED AUDIO (60Hz) C U F	∗ ●	ENG	For setting the registration of the EMBEDDED AUDIO (60Hz) item on the USER MENU screen.
A/V SYNCHRO C U F	∗ ●	ENG	For setting the registration of the A/V SYNCHRO item on the USER MENU screen.

TC/UB screen

Item	Variable range	VF display	Remarks
TC MODE C U F	∗ ●	ENG	For setting the registration of the TC MODE item on the USER MENU screen.
UB MODE C U F	∗ ●	ENG	For setting the registration of the UB MODE item on the USER MENU screen.
TCG SET HOLD C U F	∗ ●	ENG	For setting the registration of the TCG SET HOLD item on the USER MENU screen.
FIRST REC TC C U F	∗ ●	ENG	For setting the registration of the FIRST REC TC item on the USER MENU screen.
P.OFF LCD DISPLAY C U F	∗ ●	ENG	For setting the registration of the P.OFF LCD DISPLAY item on the USER MENU screen.
TC OUT C U F	∗ ●	ENG	For setting the registration of the TC OUT item on the USER MENU screen.
VITC UB MODE C U F	∗ ●	ENG	For setting the registration of the VITC UB MODE item on the USER MENU screen.
TC DISP SEL C U F	∗ ●	ENG	For setting the registration of the TC DISP SEL item on the USER MENU screen.

The underlining in the variable range column indicates the setting in the preset mode.